Appendix: Daylight, Sunlight, Overshadowing and Solar Glare

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Annex 1

Policy and Guidance

Legislation and Planning Policy Context

10.1 The following sections of this ES Chapter annex provide a review of relevant legislation, guidance and national, regional and local planning policy in terms of daylight, sunlight, overshadowing, light pollution and solar glare.

National Legislation

10.2 There is no relevant legislation for daylight, sunlight NS overshadowing.

National Planning Policy

National Planning Policy Framework 2023[1]

10.3 The National Planning Policy Framework, adopted in 2023 stipulates that:

"… planning policies and decisions should ensure that developments … create places that are safe, inclusive and accessible and which promote health and well-being, with a high standard of amenity for existing and future users."

10.4 Paragraph 125, part C stipulates that

"…local planning authorities should refuse applications which they consider fail to make efficient use of land, taking into account the policies in this Framework. In this context, when considering applications for housing, authorities should take a flexible approach in applying policies or guidance relating to daylight and sunlight, where they would otherwise inhibit making efficient use of a site."

Planning Practice Guidance 2021 update[2]

10.5 The National Planning Practice Guidance (NPPG) was last updated in 2021. This document states that the form and scale of tall buildings should be designed with respect to daylight and sunlight patterns and whether the development would have an unreasonable impact on the daylight and sunlight levels enjoyed by neighbouring occupiers.

Regional Planning Policy

The London Plan (March 2021)[3]

10.6 Policy D6 Housing Quality and Standards states that:

"The design of development should provide sufficient daylight and sunlight to new and surrounding housing that is appropriate for its context, whilst avoiding overheating, minimising overshadowing and maximising the usability of outside amenity space."

10.7 Policy D9 Tall buildings states that:

"...development proposals should address the following impacts: ...buildings should not cause adverse reflected glare [and] ...buildings should be designed to minimise light pollution from internal and external lighting." It continues that "wind, daylight, sunlight penetration and temperature conditions around the building(s) and neighbourhood must be carefully considered and not compromise comfort and the enjoyment of open spaces, including water spaces, around the building."

Housing Supplementary Planning Guidance (March 2016)[4]

10.8 The SPG draws on the London Plan, primarily policy 7.6Bd, and provides further guidance on standards to daylight, and overshadowing.

10.9 The guidance goes on to state that, "…an appropriate degree of flexibility needs to be applied when using BRE guidelines to assess the daylight and sunlight impacts of new development on surrounding properties, as well as within new developments themselves."

10.10 It continues "guidelines should be applied sensitively to higher density development…where

"BRE advice suggests considering the use of alternative targets' taking in to account the 'local circumstances; the need to optimise housing capacity; and scope for character and form of an area to change over time."

[1] Department for Levelling Up, Housing and Communities (DLUHC), 2023; 'National Planning Policy Framework.'
[2] Department for Communities and Local Government (DCLG), Planning Practice Guidance, 2021.
[3] 4 Greater London Authority (GLA), 2021; The London Plan: Spatial Development Strategy of Greater London, 2021.
[4] Greater London Authority (GLA), 2016; Housing Supplementary Planning Guidance, 2016.

10.11 Standard 32 states that:

"All homes should provide for direct sunlight to enter at least one habitable room for part of the day. Living areas and kitchen dining spaces should preferably receive direct sunlight."

10.12 It is also states that *"natural light is also vital to a sense of wellbeing in the home, and this may be restricted in densely developed parts of the city". The Mayor seeks to encourage housing that provides "comfortable and enjoyable places of retreat and privacy"* and factors to be considered include daylight and sunlight.

Local Planning Policy

RBKC Local Plan (2019)

10.13 The RBKC Local Plan sets out the future development of the borough looking ahead to 2028 and identifies where the main developments will take place. This document contains polices relevant to daylight, sunlight and overshadowing.

10.14 Paragraph 22.3.36 states that "in assessing whether sunlight and daylight conditions are good, both inside buildings and in gardens and open spaces, the Council will have regard to the most recent Building Research Establishment guidance, both for new development, and for properties affected by new development.

10.15 Policy CL5 Living Conditions requires that all development ensures good living conditions for occupants of new, existing and neighbouring buildings. Point b) stipulates that the Council will:

10.16 *ensure that good standards of daylight and sunlight are achieved in new development and in existing properties affected by new development; and where they are already substandard, that there should be no material worsening of the conditions*

RBKC Building Height in the Royal Borough SPD (2010)

10.17 Supplementary planning policy for building heights in the RBKC, particularly in relation to tall buildings, is set out in the RBKC Building Height in the Royal Borough SPD. It does not create policy but provides an analysis of the physical context of the RBKC and guidance, elaborating upon policies used to determine planning applications for new large scale buildings in the RBKC, particularly tall buildings.

10.18 The SPD states that *"with the exception of a few single developments… tall buildings loosely cluster in ten groups".*

10.19 Chapter 5 (Proactive Tests for Tall Buildings) of the SPD states that *"tall buildings are likely to have a greater impact on their environment than other building types. Due to their massing and height, tall buildings usually overshadow and overlook their immediate surroundings. This is especially harmful for residential environmental and amenity spaces. Furthermore, tall buildings can have negative effects on the microclimate, causing air turbulence and diversion of winds to ground level, glare and noise reflection".*

10.20 However, paragraph 5.4 of the SPD states that *"Tall buildings can offer an exciting alternative to the more traditional development form, but more than any other typology they require design excellence to maximise their contribution to the skyline and local environment and mitigate their negative impacts, particularly at street level. Tall buildings should be of an exceptional architectural, sustainable and urban design quality".*

10.21 The SPD concludes that *"because of the consistency of building heights in the Royal Borough, new tall buildings and structures have a disproportional effect on its skyline"*; however, "the Council will carefully assess the design and townscape qualities of proposals that may otherwise gradually erode this important historic character".

Other Relevant Policy, Standards and Guidance

Historic England Guidance on Tall Buildings – Historic England Advice Note 4 (2015)[5]

10.22 Paragraph 4.10 of the Historic England Advice Note 4 recommends that the following should be addressed in relation to the design of tall buildings:

[5] Historic England, Tall Buildings, Historic England Advice Note 4, 2015.

"consideration of the impact on the local environment, including microclimate, overshadowing, night-time appearance, vehicle movements and the environment and amenity of those in the vicinity of the building".

Building Research Establishment (BRE) Guidelines[6]

10.23 The Building Research Establishment (BRE) Guidelines 'Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice 2022, 3rd edition' (released June 2022) ('BRE Guidelines') provides advice on site layout planning to achieve good sunlighting and daylighting within buildings, and in the open spaces between them. The BRE Guidelines are intended for use by building designers, developers, consultants and Local Planning Authorities (LPAs). The advice presented in the BRE Guidelines is not mandatory and should not be used as an instrument of planning policy, the Guidelines state:

"This guide is a comprehensive revision of the 2011 edition of Site Layout Planning for Daylight and Sunlight: A Guide to Good Practice. It is purely advisory and the numerical target values within it may be varied to meet the needs of the development and its location."

10.24 The BRE Guidelines also state:

"The advice given here is not mandatory and the guide should not be seen as an instrument of planning policy; its aim is to help rather than constrain the designer. In special circumstances the developer or planning authority may wish to use different target values… in an area with modern high rise buildings, a higher degree of obstruction maybe unavoidable if new developments are to match the height and proportions of existing building" .

[6] Building Research Establishment (BRE) Guidelines: Site Layout Planning for Daylight and Sunlight 2022, A Guide to Good Practice, Third Edition (2022)

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Annex 2

Methodology and Baseline

Methodology and Baseline

Approach for Daylight, Sunlight and Overshadowing Assessments

10.1 The technical analyses carried out to inform the assessments have been undertaken by creating a digital three dimensional (3D) model of the existing site and Proposed Development, based on measured survey data.

Daylight

Vertical Sky Component

10.2 The VSC method of assessment is defined in the BRE Guidelines as the:

"ratio of that part of illuminance at a point on a given vertical plane that is received directly from a CIE standard overcast sky, to illuminate on a horizontal plane due to an unobstructed hemisphere of this sky".

10.3 The 3D model uses Waldram Diagrams to establish the VSC and 3D geometric calculations for daylight distribution. This model (which is orientated to north by the use of Ordnance Survey (OS) information) enables the path of the sun to be tracked throughout the year to establish the shadow cast by the existing and proposed buildings, and thus calculate the sun hours on ground in each scenario.

10.4 Only those surrounding properties which have windows facing towards the application site were included in the assessment. If a nearby property has no windows facing the application site, these properties would not be affected by the Proposed Development in terms of light.

10.5 The assessment is calculated from the centre of a window on the outward face and measures the amount of light available on a vertical wall or window following the introduction of visible barriers, such as buildings.

10.6 The maximum VSC value is almost 40% for a completely unobstructed vertical wall or window.

10.7 In terms of assessment criteria, the BRE Guidelines state that:

"If any part of a new building or extension, measured in a vertical section perpendicular to a main window wall of an existing building, from the centre of the lowest window, subtends an angle of more than 25° to the horizontal, then the diffuse daylighting of the existing building may be adversely affected. This will be the case if either:

- *the VSC measured at the centre of an existing main window is less than 27%, and less than 0.8 times its former value the area of the working plane in a room which can receive direct skylight is reduced to less than 0.8 times its former value."*

No Sky Line

10.8 The BRE Guidelines state that where room layouts are known, the effect on the daylight distribution can be calculated by plotting the NSL. In terms of the surrounding receptors, it has not been possible to obtain room layouts for all of the properties and therefore layouts have been assumed where information is not available.

10.9 The NSL method is a measure of the distribution of daylight at the 'working plane' within a room. The 'working plane' is a horizontal plane 0.85m above finished floor level for residential properties. The NSL divides those areas of the working plane which can receive direct sky light from those which cannot. If a significant area of the working plane lies beyond the NSL (i.e. it receives no direct sky light), then the distribution of daylight in the room may be poor and supplementary electric lighting may be required.

10.10 Where actual room layouts were available, these have been considered in the modelling of the internal layouts within the surrounding properties. Obtaining these room layouts enables precise evaluation of the diffuse levels of daylight within each of the rooms via the NSL. Where layout information was not available assumptions have been made as to the use and internal configuration of the rooms (from external observations) behind the fenestration observed. In such cases a standard 4.2m (14 ft) room depth has been assumed, unless the building form dictated otherwise. This is common practice where access to buildings for surveying is unavailable.

10.11 The potential effects of daylighting distribution in an existing building can be found by plotting the NSL in each of the main rooms. For houses, this will include living rooms, dining rooms and

kitchens. Bedrooms should also be analysed, although they are less important. The BRE Guidelines identify that if the area of a room that does receive direct sky light is reduced to less than 0.8 times its former value, then this would be noticeable to its occupants. In relation to deep rooms lit by windows on one side, the BRE Guidelines state (para. 2.2.10):

"If an existing building contains rooms lit from one side only and greater than 5 m deep, then a greater movement of the no sky line may be unavoidable."

Sunlight

Annual Probable Sunlight Hours

10.12 APSH is measured using a sun indicator containing 100 spots, each representing 1% of APSH. Therefore, where no obstruction exists the total annual probable sunlight hours would amount to 1486 hours and therefore each spot equates to 14.86 hours of the total annual sunlight hours. The number of spots is calculated for the baseline and Proposed Development scenarios during the year and also during the winter period, and a comparison made between the two. This provides a percentage of APSH for each window assessed.

10.13 The BRE Guidelines note that:

"In housing, the main requirement for sunlight is in living rooms, where it is valued at any time of day, but especially in the afternoon.";

"all main living rooms of dwellings…should be checked if they have a window facing within 90° of due south. Kitchens and bedrooms are less important, although care should be taken not to block too much sun.";

"If the main living room to a dwelling has a main window facing within 90° of due north, but a secondary window facing within 90° of due south, sunlight to the secondary window should be checked."; and

"…a south facing window will, in general, receive most sunlight, while a north facing one will receive it only on a handful of occasions. East and west facing windows will receive sunlight only at certain times of day".

10.14 In relation to existing surrounding receptors, the BRE Guidelines state that a window may be adversely affected if a point at the centre of the window receives for the whole year, less than 25% of the APSH, including at least 5% of the APSH during the winter months (21st September to 21st March) and less than 0.8 times its former sunlight hours during either period, and if there is a reduction in total APSH which is greater than 4%.

10.15 It is often not possible to determine the room uses within each of the neighbouring properties, nor is it clear which windows should be considered as the 'main windows'. Therefore, regardless of use, all the rooms with windows facing the site and within 90° of due south have been considered in the assessment.

Summary of Criteria for Daylight and Sunlight

10.16 The following table provides a summary of the criteria set out within the BRE Guidelines for

10.17 daylight and sunlight.

Summary of Daylight and Sunlight Assessment Criteria

Method	
VSC	A window may be adversely affected if its VSC measured at the centre of the window is less than 27% and less than 0.8 times is former value.
NSL	A room may be adversely affected if the daylight distribution (NSL) is reduced beyond 0.8 times its existing area.
APSH	A window may be adversely affected if a point at the centre of the window received for the whole year, less than 25% of the APSH including at least 5% of the APSH during the winter months (21st September to 21st March) and less than 0.8 times its former sunlight hours during either period, and for existing neighbouring buildings, if there is a reduction in total APSH which is greater than 4%.

Transient Overshadowing

10.18 Where a Proposed Development includes tall buildings, these may affect the sunlight availability to gardens or open spaces in close proximity to the site. Owing to the southerly location of the sun path, only amenity areas located within 90° of due north of the Proposed Development have the potential to be affected by overshadowing from tall buildings and therefore taken into consideration in this assessment.

10.19 The 2011 BRE guidelines suggest plotting a series of shadow plans illustrating the location of shadows cast from those buildings at different times of the day and period of the year to assess the potential overshadowing effects. To this end, the overshadowing plots are mapped for the three key dates listed below:

- 21st March (Spring Equinox);
- 21 st June (Summer Solstice); and
- 21 st December (Winter Solstice).

10.20 The 21st September (Autumn Equinox) is not assessed owing to the identical solar altitude and therefore equivalent outcomes of overshadowing to those presented for 21st March. For each of these dates, the overshadowing is calculated at hourly intervals throughout daylight hours from sunrise to sunset. On 21st December, the sun is at its lowest altitude consequently creating long shadows to be cast and represents the worst-case scenario in terms of overshadowing.

10.21 The analysis described above varies according to different latitudes. The Site is located within London, which is at a latitude of 51.5° north.

Sun Hours on Ground

10.22 The BRE Guidelines suggest that Sun Hours on Ground assessments should be undertaken on the Equinox (21st March and 21st September). Using specialist software, the path of the sun is tracked to determine where the sun would reach the ground and where it would not. It is recommended that at least half of a garden or amenity area should receive at least 2 hours of sunlight on 21st March or the area which receives 2 hours of direct sunlight should not be reduced to less than 0.8 times its former value (i.e. there should be no more than a 20% reduction).

BASELINE SUMMARIES (EXISTING)						
ADDRESS	VERTICAL SKY COMPONENT		NO SKY LINE		ANNUAL PROBABLE SUNLIGHT HOURS	
	WINDOWS		ROOMS		WINDOWS	
	TOTAL	PASS	TOTAL	PASS	TOTAL	PASS
KENSAL HOUSE BLOCK 1	88	22	44	33	11	0
KENSAL HOUSE BLOCK 2	204	104	105	105	73	39
KENSAL HOUSE NURSERY	91	53	4	4	41	22
WATER TOWER	10	10	3	3	6	6
TOTALS	393	189	156	145	131	67

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Drawings

gia CHARTERED SURVEYORS

DAYLIGHT & SUNLIGHT

SCENARIO OVERVIEW

Ladbroke Grove

12 June 2023

GIA No: **13198**

PROJECT DATA:

Client	**Ballymore**
Architect	**Faulkner Browns**
Project Title	**Ladbroke Grove**
Project Number	**13198**

REPORT DATA:

Report Title	**Scenario overview**
GIA Department	**Daylight Department**
Dated	**12 June 2023**

Prepared by	**VSM**
Checked by	**GLE**
Type	**ES Appendix**

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Site Photos	**GIA**
3D models	**VU.CITY**
OS Data	**FIND Maps**

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1 SCENARIOS OVERVIEW

BASELINE

Fig. 01: Top view

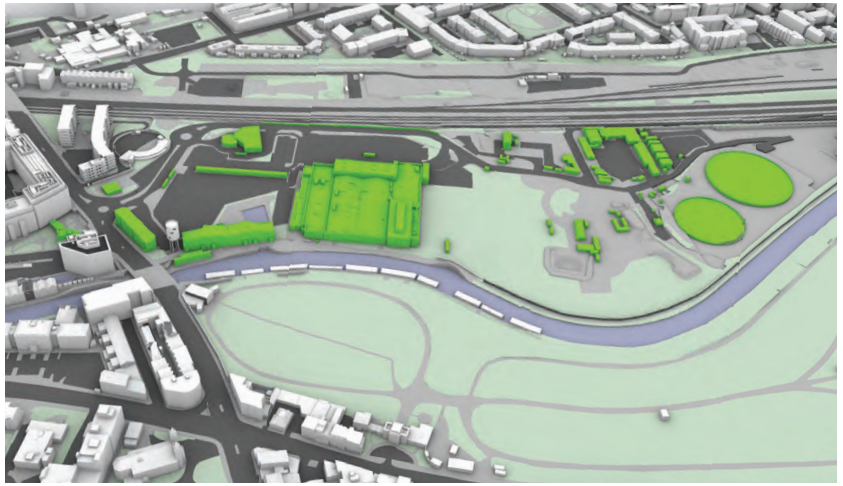

Fig. 03: Perspective view

FUTURE BASELINE

Fig. 02: Top view

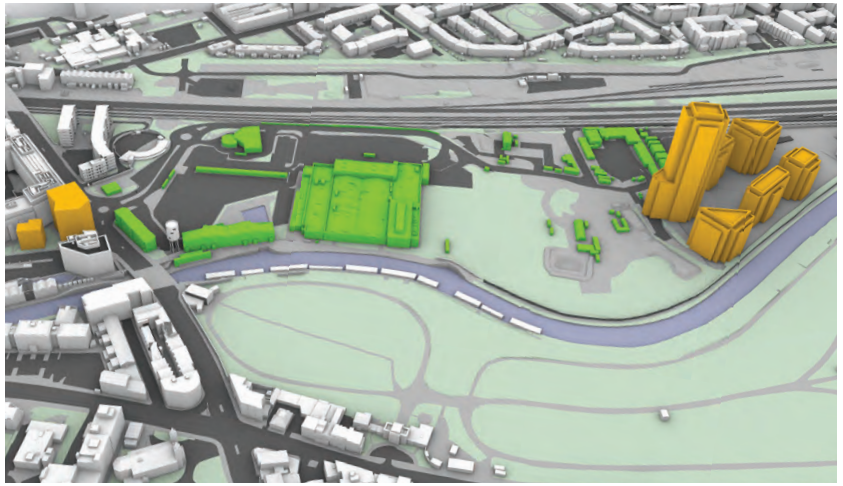

Fig. 04: Perspective view

PROPOSED DEVELOPMENT

Fig. 05: Top view

CUMULATIVE

Fig. 06: Top view

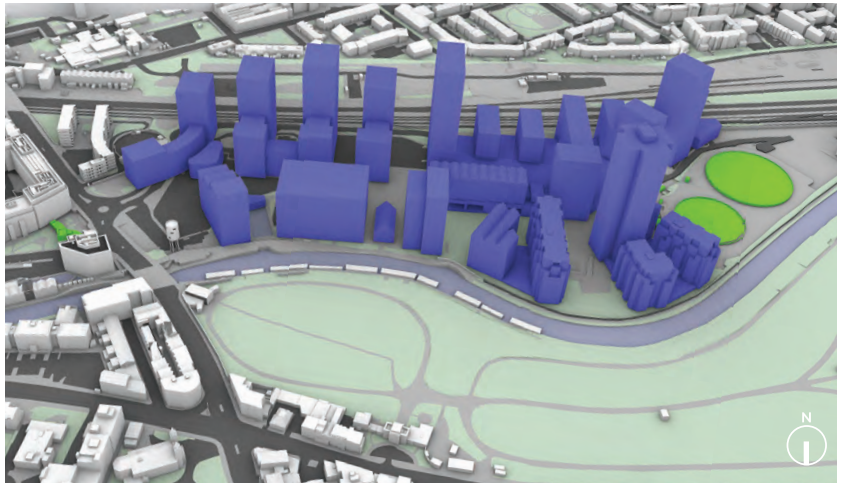

Fig. 07: Perspective view

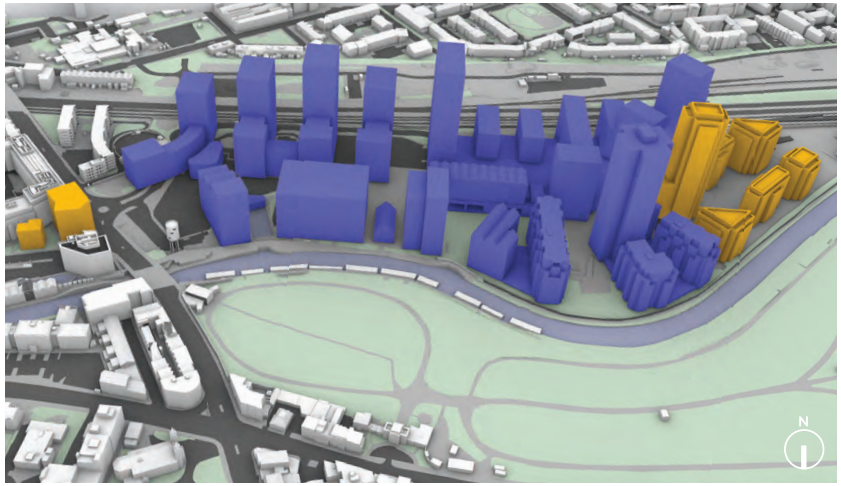

Fig. 08: Perspective view

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Daylight and Sunlight Results to Neighbouring Properties

gia CHARTERED SURVEYORS

DAYLIGHT & SUNLIGHT

DAYLIGHT AND SUNLIGHT IMPACT ASSESSMENTS

Ladbroke Grove

09 June 2023

GIA No: **13198**

PROJECT DATA:

Client	**Ballymore**
Architect	**Faulkner Browns**
Project Title	**Ladbroke Grove**
Project Number	**13198**

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Prepared by	**VSM**
Checked by	**GLE**
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Site Photos	**GIA**
3D models	**VU.CITY**
OS Data	**FIND Maps**

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1 ASSESSMENT RESULTS

KENSAL HOUSE BLOCK 1 - EXISTING VS PROPOSED

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW PROPOSED		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
KENSAL HOUSE BLOCK 1																					
F00	R1	LIVING ROOM	W1	1.7	1.7	0.0	0.0	5.4	5.4	0.0	0.0	95.9	89.2	6.7	7.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	14.1	14.1	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	17.6	17.6	0.0	0.0	9.2	9.2	0.0	0.0	66.4	66.4	0.0	0.0	19.0	4	19	4	0	0
			W4	0.7	0.7	0.0	0.0									4.0	0	4	0	0	0
	R3	KITCHEN	W5	0.8	0.8	0.0	0.0	11.7	11.7	0.0	0.0	71.0	71.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W6	17.5	17.5	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	14.9	14.9	0.0	0.0	8.2	8.2	0.0	0.0	79.1	75.7	3.4	4.3	N/A	N/A	N/A	N/A	N/A	N/A
			W8	3.0	3.0	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	LIVING ROOM	W1	2.8	2.8	0.0	0.0	7.0	7.0	0.0	0.0	47.4	47.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	16.9	16.9	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	20.8	20.8	0.0	0.0	11.1	11.1	0.0	0.0	77.9	77.9	0.0	0.0	22.0	5	22	5	0	0
			W4	1.4	1.4	0.0	0.0									7.0	1	7	1	0	0
	R3	KITCHEN	W5	1.4	1.4	0.0	0.0	11.3	11.3	0.0	0.0	79.7	79.7	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W6	21.1	21.1	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	17.3	17.3	0.0	0.0	6.5	6.5	0.0	0.0	47.2	47.2	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W8	1.9	1.9	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R5	LIVING ROOM	W9	3.2	3.2	0.0	0.0	7.8	7.8	0.0	0.0	56.4	56.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W10	18.8	18.8	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R6	KITCHEN	W11	22.9	22.9	0.0	0.0	13.3	13.3	0.0	0.0	91.4	91.4	0.0	0.0	25.0	8	25	8	0	0
			W12	3.7	3.7	0.0	0.0									11.0	4	11	4	0	0
	R7	KITCHEN	W13	1.4	1.4	0.0	0.0	14.0	14.0	0.0	0.0	95.7	95.7	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W14	26.6	26.6	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R8	LIVING ROOM	W15	23.6	23.6	0.0	0.0	14.6	14.6	0.0	0.0	97.7	97.7	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W16	10.8	10.8	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
F02	R1	LIVING ROOM	W1	6.2	6.0	0.2	3.2	10.4	10.2	0.2	1.9	64.2	64.2	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	20.5	20.3	0.2	1.0									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	24.6	24.4	0.2	0.8	13.4	13.3	0.1	0.7	94.3	94.3	0.0	0.0	26.0	6	26	6	0	0
			W4	2.1	2.1	0.0	0.0									10.0	2	10	2	0	0
	R3	KITCHEN	W5	2.1	2.1	0.0	0.0	13.5	13.4	0.1	0.7	92.8	92.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W6	24.8	24.6	0.2	0.8									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	20.7	20.5	0.2	1.0	9.5	9.4	0.1	1.1	64.9	64.9	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W8	4.8	4.7	0.1	2.1									N/A	N/A	N/A	N/A	N/A	N/A
	R5	LIVING ROOM	W9	5.8	5.7	0.1	1.7	10.5	10.4	0.1	1.0	68.9	68.3	0.6	0.9	N/A	N/A	N/A	N/A	N/A	N/A
			W10	21.7	21.5	0.2	0.9									N/A	N/A	N/A	N/A	N/A	N/A
	R6	KITCHEN	W11	26.2	26.0	0.2	0.8	15.1	15.0	0.1	0.7	95.7	95.7	0.0	0.0	28.0	8	28	8	0	0
			W12	3.9	3.9	0.0	0.0									12.0	4	12	4	0	0
	R7	KITCHEN	W13	2.1	2.1	0.0	0.0	15.7	15.6	0.1	0.6	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W14	29.2	29.0	0.2	0.7									N/A	N/A	N/A	N/A	N/A	N/A
	R8	LIVING ROOM	W15	26.0	25.8	0.2	0.8	16.6	16.4	0.2	1.2	97.7	97.7	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W16	12.6	12.5	0.1	0.8									N/A	N/A	N/A	N/A	N/A	N/A
F03	R1	LIVING ROOM	W1	10.0	9.0	1.0	10.0	14.4	13.3	1.1	7.6	99.4	97.4	2.0	2.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	24.7	23.5	1.2	4.9									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	28.8	27.7	1.1	3.8	15.8	15.3	0.5	3.2	98.6	98.6	0.0	0.0	31.0	7	29	7	6.5	0
			W4	2.8	2.8	0.0	0.0									12.0	2	12	2	0	0
	R3	KITCHEN	W5	2.9	2.8	0.1	3.4	15.9	15.3	0.6	3.8	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W6	28.8	27.8	1.0	3.5									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	24.7	23.8	0.9	3.6	13.1	12.2	0.9	6.9	98.8	97.1	1.7	1.7	N/A	N/A	N/A	N/A	N/A	N/A
			W8	8.2	7.3	0.9	11.0									N/A	N/A	N/A	N/A	N/A	N/A
	R5	LIVING ROOM	W9	8.9	8.1	0.8	9.0	13.8	13.0	0.8	5.8	99.4	98.3	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A
			W10	25.4	24.5	0.9	3.5									N/A	N/A	N/A	N/A	N/A	N/A
	R6	KITCHEN	W11	29.8	28.9	0.9	3.0	17.0	16.5	0.5	2.9	98.6	98.6	0.0	0.0	32.0	8	31	8	3.1	0
			W12	4.1	4.1	0.0	0.0									13.0	4	13	4	0	0
	R7	KITCHEN	W13	2.9	2.7	0.2	6.9	17.4	16.9	0.5	2.9	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W14	31.9	31.0	0.9	2.8									N/A	N/A	N/A	N/A	N/A	N/A
	R8	LIVING ROOM	W15	28.4	27.6	0.8	2.8	18.7	18.0	0.7	3.7	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W16	14.6	13.9	0.7	4.8									N/A	N/A	N/A	N/A	N/A	N/A
F04	R1	LIVING ROOM	W1	13.9	11.6	2.3	16.5	18.4	16.0	2.4	13.0	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	28.9	26.4	2.5	8.7									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	33.1	30.7	2.4	7.3	18.4	17.2	1.2	6.5	98.6	98.6	0.0	0.0	35.0	8	31	8	11.4	0
			W4	3.6	3.6	0.0	0.0									13.0	3	13	3	0	0
	R3	KITCHEN	W5	3.6	3.3	0.3	8.3	18.3	17.1	1.2	6.6	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A

KENSAL HOUSE BLOCK 1 - EXISTING VS PROPOSED

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW PROPOSED		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
			W6	33.0	30.9	2.1	6.4									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	28.9	26.8	2.1	7.3	16.7	14.8	1.9	11.4	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W8	11.6	9.8	1.8	15.5									N/A	N/A	N/A	N/A	N/A	N/A
	R5	LIVING ROOM	W9	12.0	10.5	1.5	12.5	17.1	15.5	1.6	9.4	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W10	29.3	27.3	2.0	6.8									N/A	N/A	N/A	N/A	N/A	N/A
	R6	KITCHEN	W11	33.6	31.7	1.9	5.7	19.0	18.1	0.9	4.7	98.6	98.6	0.0	0.0	36.0	9	34	9	5.6	0
			W12	4.4	4.4	0.0	0.0									14.0	4	14	4	0	0
	R7	KITCHEN	W13	3.6	3.2	0.4	11.1	19.2	18.1	1.1	5.7	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W14	34.8	33.0	1.8	5.2									N/A	N/A	N/A	N/A	N/A	N/A
	R8	LIVING ROOM	W15	31.0	29.3	1.7	5.5	20.9	19.3	1.6	7.7	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W16	16.6	15.1	1.5	9.0									N/A	N/A	N/A	N/A	N/A	N/A
F05	R1	LIVING ROOM	W1	17.5	13.5	4.0	22.9	22.5	18.4	4.1	18.2	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	34.3	30.1	4.2	12.2									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	37.4	33.2	4.2	11.2	20.9	18.8	2.1	10.0	98.6	98.6	0.0	0.0	39.0	10	33	10	15.4	0
			W4	4.3	4.3	0.0	0.0									15.0	5	15	5	0	0
	R3	KITCHEN	W5	4.3	3.5	0.8	18.6	20.9	18.6	2.3	11.0	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W6	37.4	33.6	3.8	10.2									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	34.2	30.5	3.7	10.8	20.6	17.2	3.4	16.5	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W8	14.9	11.6	3.3	22.1									N/A	N/A	N/A	N/A	N/A	N/A
	R5	LIVING ROOM	W9	15.0	12.3	2.7	18.0	20.7	17.8	2.9	14.0	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W10	34.3	30.8	3.5	10.2									N/A	N/A	N/A	N/A	N/A	N/A
	R6	KITCHEN	W11	37.5	34.1	3.4	9.1	21.1	19.4	1.7	8.1	98.6	98.6	0.0	0.0	39.0	10	36	10	7.7	0
			W12	4.6	4.6	0.0	0.0									15.0	5	15	5	0	0
	R7	KITCHEN	W13	4.3	3.4	0.9	20.9	21.1	19.0	2.1	10.0	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W14	37.8	34.6	3.2	8.5									N/A	N/A	N/A	N/A	N/A	N/A
	R8	LIVING ROOM	W15	34.9	31.8	3.1	8.9	23.4	20.5	2.9	12.4	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W16	18.5	15.8	2.7	14.6									N/A	N/A	N/A	N/A	N/A	N/A

KENSAL HOUSE BLOCK 1 - EXISTING VS CUMULATIVE

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW CUMULATIVE		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
KENSAL HOUSE BLOCK 1																					
F00	R1	LIVING ROOM	W1	1.7	1.7	0.0	0.0	5.4	5.4	0.0	0.0	95.9	89.2	6.7	7.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	14.1	14.1	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	17.6	17.6	0.0	0.0	9.2	9.2	0.0	0.0	66.4	66.4	0.0	0.0	19.0	4	19	4	0	0
			W4	0.7	0.7	0.0	0.0									4.0	0	4	0	0	0
	R3	KITCHEN	W5	0.8	0.8	0.0	0.0	11.7	11.7	0.0	0.0	71.0	71.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W6	17.5	17.5	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	14.9	14.8	0.1	0.7	8.2	8.2	0.0	0.0	79.1	75.7	3.4	4.3	N/A	N/A	N/A	N/A	N/A	N/A
			W8	3.0	3.0	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	LIVING ROOM	W1	2.8	2.8	0.0	0.0	7.0	7.0	0.0	0.0	47.4	47.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	16.9	16.9	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	20.8	20.8	0.0	0.0	11.1	11.1	0.0	0.0	77.9	77.9	0.0	0.0	22.0	5	22	5	0	0
			W4	1.4	1.4	0.0	0.0									7.0	1	7	1	0	0
	R3	KITCHEN	W5	1.4	1.4	0.0	0.0	11.3	11.2	0.1	0.9	79.7	79.7	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W6	21.1	21.0	0.1	0.5									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	17.3	17.2	0.1	0.6	6.5	6.4	0.1	1.5	47.2	47.2	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W8	1.9	1.9	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R5	LIVING ROOM	W9	3.2	3.2	0.0	0.0	7.8	7.8	0.0	0.0	56.4	56.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W10	18.8	18.8	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R6	KITCHEN	W11	22.9	22.9	0.0	0.0	13.3	13.3	0.0	0.0	91.4	91.4	0.0	0.0	25.0	8	25	8	0	0
			W12	3.7	3.7	0.0	0.0									11.0	4	11	4	0	0
	R7	KITCHEN	W13	1.4	1.4	0.0	0.0	14.0	14.0	0.0	0.0	95.7	95.7	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W14	26.6	26.6	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
	R8	LIVING ROOM	W15	23.6	23.6	0.0	0.0	14.6	14.6	0.0	0.0	97.7	97.7	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W16	10.8	10.8	0.0	0.0									N/A	N/A	N/A	N/A	N/A	N/A
F02	R1	LIVING ROOM	W1	6.2	6.0	0.2	3.2	10.4	10.2	0.2	1.9	64.2	64.2	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	20.5	20.2	0.3	1.5									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	24.6	24.4	0.2	0.8	13.4	13.3	0.1	0.7	94.3	94.3	0.0	0.0	26.0	6	26	6	0	0
			W4	2.1	2.1	0.0	0.0									10.0	2	10	2	0	0
	R3	KITCHEN	W5	2.1	2.1	0.0	0.0	13.5	13.4	0.1	0.7	92.8	92.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W6	24.8	24.6	0.2	0.8									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	20.7	20.5	0.2	1.0	9.5	9.4	0.1	1.1	64.9	64.9	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W8	4.8	4.7	0.1	2.1									N/A	N/A	N/A	N/A	N/A	N/A
	R5	LIVING ROOM	W9	5.8	5.7	0.1	1.7	10.5	10.4	0.1	1.0	68.9	68.3	0.6	0.9	N/A	N/A	N/A	N/A	N/A	N/A
			W10	21.7	21.5	0.2	0.9									N/A	N/A	N/A	N/A	N/A	N/A
	R6	KITCHEN	W11	26.2	26.0	0.2	0.8	15.1	15.0	0.1	0.7	95.7	95.7	0.0	0.0	26.0	8	26	8	0	0
			W12	3.9	3.9	0.0	0.0									12.0	4	12	4	0	0
	R7	KITCHEN	W13	2.1	2.1	0.0	0.0	15.7	15.5	0.2	1.3	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W14	29.2	28.9	0.3	1.0									N/A	N/A	N/A	N/A	N/A	N/A
	R8	LIVING ROOM	W15	26.0	25.8	0.2	0.8	16.6	16.4	0.2	1.2	97.7	97.7	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W16	12.6	12.5	0.1	0.8									N/A	N/A	N/A	N/A	N/A	N/A
F03	R1	LIVING ROOM	W1	10.0	9.0	1.0	10.0	14.4	13.3	1.1	7.6	99.4	97.4	2.0	2.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	24.7	23.5	1.2	4.9									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	28.8	27.7	1.1	3.8	15.8	15.3	0.5	3.2	98.6	98.6	0.0	0.0	31.0	7	29	7	6.5	0
			W4	2.8	2.8	0.0	0.0									12.0	2	12	2	0	0
	R3	KITCHEN	W5	2.9	2.8	0.1	3.4	15.9	15.3	0.6	3.8	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W6	28.8	27.8	1.0	3.5									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	24.7	23.7	1.0	4.0	13.1	12.2	0.9	6.9	98.8	97.1	1.7	1.7	N/A	N/A	N/A	N/A	N/A	N/A
			W8	8.2	7.3	0.9	11.0									N/A	N/A	N/A	N/A	N/A	N/A
	R5	LIVING ROOM	W9	8.9	8.1	0.8	9.0	13.8	13.0	0.8	5.8	99.4	98.3	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A
			W10	25.4	24.5	0.9	3.5									N/A	N/A	N/A	N/A	N/A	N/A
	R6	KITCHEN	W11	29.8	28.9	0.9	3.0	17.0	16.5	0.5	2.9	98.6	98.6	0.0	0.0	32.0	8	31	8	3.1	0
			W12	4.1	4.1	0.0	0.0									13.0	4	13	4	0	0
	R7	KITCHEN	W13	2.9	2.7	0.2	6.9	17.4	16.9	0.5	2.9	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W14	31.9	31.0	0.9	2.8									N/A	N/A	N/A	N/A	N/A	N/A
	R8	LIVING ROOM	W15	28.4	27.6	0.8	2.8	18.7	18.0	0.7	3.7	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W16	14.6	13.9	0.7	4.8									N/A	N/A	N/A	N/A	N/A	N/A
F04	R1	LIVING ROOM	W1	13.9	11.6	2.3	16.5	18.4	16.0	2.4	13.0	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	28.9	26.4	2.5	8.7									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	33.1	30.7	2.4	7.3	18.4	17.2	1.2	6.5	98.6	98.6	0.0	0.0	35.0	8	31	8	11.4	0
			W4	3.6	3.6	0.0	0.0									13.0	3	13	3	0	0
	R3	KITCHEN	W5	3.6	3.3	0.3	8.3	18.3	17.1	1.2	6.6	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A

KENSAL HOUSE BLOCK 1 - EXISTING VS CUMULATIVE

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW CUMULATIVE		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
			W6	33.0	30.9	2.1	6.4									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	28.9	26.8	2.1	7.3	16.7	14.8	1.9	11.4	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W8	11.6	9.8	1.8	15.5									N/A	N/A	N/A	N/A	N/A	N/A
	R5	LIVING ROOM	W9	12.0	10.5	1.5	12.5	17.1	15.5	1.6	9.4	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W10	29.3	27.3	2.0	6.8									N/A	N/A	N/A	N/A	N/A	N/A
	R6	KITCHEN	W11	33.6	31.7	1.9	5.7	19.0	18.1	0.9	4.7	98.6	98.6	0.0	0.0	36.0	9	34	9	5.6	0
			W12	4.4	4.4	0.0	0.0									14.0	4	14	4	0	0
	R7	KITCHEN	W13	3.6	3.2	0.4	11.1	19.2	18.1	1.1	5.7	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W14	34.8	33.0	1.8	5.2									N/A	N/A	N/A	N/A	N/A	N/A
	R8	LIVING ROOM	W15	31.0	29.2	1.8	5.8	20.9	19.3	1.6	7.7	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W16	16.6	15.1	1.5	9.0									N/A	N/A	N/A	N/A	N/A	N/A
F05	R1	LIVING ROOM	W1	17.5	13.5	4.0	22.9	22.5	18.4	4.1	18.2	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	34.3	30.0	4.3	12.5									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	37.4	33.2	4.2	11.2	20.9	18.8	2.1	10.0	98.6	98.6	0.0	0.0	39.0	10	33	10	15.4	0
			W4	4.3	4.3	0.0	0.0									15.0	5	15	5	0	0
	R3	KITCHEN	W5	4.3	3.5	0.8	18.6	20.9	18.6	2.3	11.0	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W6	37.4	33.6	3.8	10.2									N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W7	34.2	30.5	3.7	10.8	20.6	17.2	3.4	16.5	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W8	14.9	11.6	3.3	22.1									N/A	N/A	N/A	N/A	N/A	N/A
	R5	LIVING ROOM	W9	15.0	12.3	2.7	18.0	20.7	17.8	2.9	14.0	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W10	34.3	30.8	3.5	10.2									N/A	N/A	N/A	N/A	N/A	N/A
	R6	KITCHEN	W11	37.5	34.1	3.4	9.1	21.1	19.4	1.7	8.1	98.6	98.6	0.0	0.0	39.0	10	36	10	7.7	0
			W12	4.6	4.6	0.0	0.0									15.0	5	15	5	0	0
	R7	KITCHEN	W13	4.3	3.4	0.9	20.9	21.1	19.0	2.1	10.0	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W14	37.8	34.6	3.2	8.5									N/A	N/A	N/A	N/A	N/A	N/A
	R8	LIVING ROOM	W15	34.9	31.8	3.1	8.9	23.4	20.5	2.9	12.4	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W16	18.5	15.8	2.7	14.6									N/A	N/A	N/A	N/A	N/A	N/A

KENSAL HOUSE BLOCK 2 - EXISTING VS PROPOSED

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW PROPOSED		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
KENSAL HOUSE BLOCK 2																					
F00	R1	KITCHEN	W1	35.2	27.1	8.1	23.0	35.2	27.1	8.1	23.0	99.3	99.3	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
	R2	LIVING ROOM	W2	32.8	24.6	8.2	25.0	24.5	17.3	7.2	29.4	99.1	96.8	2.3	2.3	N/A	N/A	N/A	N/A	N/A	N/A
			W3	18.0	11.6	6.4	35.6									N/A	N/A	N/A	N/A	N/A	N/A
	R3	LIVING ROOM	W4	18.0	11.1	6.9	38.3	24.9	17.5	7.4	29.7	99.4	98.3	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A
			W5	33.7	25.8	7.9	23.4									N/A	N/A	N/A	N/A	N/A	N/A
	R4	KITCHEN	W6	36.7	28.9	7.8	21.3	25.5	20.4	5.1	20.0	100.0	100.0	0.0	0.0	15.0	5	15	5	0	0
			W7	4.6	4.6	0.0	0.0														
	R5	KITCHEN	W8	4.3	1.8	2.5	58.1	20.7	15.9	4.8	23.2	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W9	37.0	30.0	7.0	18.9									N/A	N/A	N/A	N/A	N/A	N/A
	R6	LIVING ROOM	W10	32.9	26.0	6.9	21.0	22.8	16.8	6.0	26.3	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W11	18.5	13.0	5.5	29.7									N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	BEDROOM	W1	16.4	16.4	0.0	0.0	21.1	19.5	1.6	7.6	96.4	93.9	2.5	2.6	N/A	N/A	N/A	N/A	N/A	N/A
			W2	31.1	26.1	5.0	16.1									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	32.4	26.6	5.8	17.9	18.4	14.0	4.4	23.9	92.6	91.2	1.4	1.5	10.0	0	0	0	100	0
			W4	4.2	1.2	3.0	71.4									2.0	0	0	0	100	0
	R3	BEDROOM	W5	25.0	14.3	10.7	42.8	25.0	14.3	10.7	42.8	97.7	95.8	1.9	1.9	N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W6	13.9	6.5	7.4	53.2	19.4	11.1	8.3	42.8	99.2	89.6	9.6	9.7	23.0	9	12	8	47.8	11.1
			W7	31.5	21.1	10.4	33.0									53.0	16	37	15	30.2	6.3
	R5	KITCHEN	W8	35.4	22.5	12.9	36.4	20.0	13.3	6.7	33.5	97.4	91.4	6.0	6.2	53.0	16	38	15	28.3	6.3
			W9	3.3	3.3	0.0	0.0									12.0	7	12	7	0	0
	R6	KITCHEN	W10	3.4	1.0	2.4	70.6	20.8	13.0	7.8	37.5	97.3	95.6	1.7	1.7	N/A	N/A	N/A	N/A	N/A	N/A
			W11	35.7	23.3	12.4	34.7									44.0	13	29	11	34.1	15.4
	R7	LIVING ROOM	W12	30.6	18.6	12.0	39.2	18.5	9.3	9.2	49.7	99.4	91.6	7.8	7.8	30.0	7	15	5	50	28.6
			W13	13.8	5.7	8.1	58.7									17.0	5	4	3	76.5	40
	R8	LIVING ROOM	W14	14.3	7.3	7.0	49.0	18.9	11.0	7.9	41.8	99.4	79.9	19.5	19.6	26.0	7	14	5	46.2	28.6
			W15	30.8	20.6	10.2	33.1									47.0	15	33	13	29.8	13.3
	R9	KITCHEN	W16	36.1	24.2	11.9	33.0	21.2	14.8	6.4	30.2	98.3	94.0	4.3	4.4	47.0	15	34	14	27.7	6.7
			W17	3.9	3.8	0.1	2.6									16.0	6	15	6	6.3	0
	R10	KITCHEN	W18	3.1	1.6	1.5	48.4	20.5	13.9	6.6	32.2	99.2	96.6	2.6	2.6	N/A	N/A	N/A	N/A	N/A	N/A
			W19	36.7	25.3	11.4	31.1									N/A	N/A	N/A	N/A	N/A	N/A
	R11	LIVING ROOM	W20	32.5	21.4	11.1	34.2	20.5	10.8	9.7	47.3	99.5	98.6	0.9	0.9	N/A	N/A	N/A	N/A	N/A	N/A
			W21	16.2	7.0	9.2	56.8									N/A	N/A	N/A	N/A	N/A	N/A
	R12	LIVING ROOM	W22	16.0	8.7	7.3	45.6	21.0	13.0	8.0	38.1	99.4	92.2	7.2	7.2	N/A	N/A	N/A	N/A	N/A	N/A
			W23	33.0	23.3	9.7	29.4									N/A	N/A	N/A	N/A	N/A	N/A
	R13	KITCHEN	W24	37.1	27.0	10.1	27.2	20.9	15.9	5.0	23.9	98.6	98.6	0.0	0.0	39.0	10	31	10	20.5	0
			W25	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R14	KITCHEN	W26	4.4	2.3	2.1	47.7	20.8	15.1	5.7	27.4	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W27	37.1	27.9	9.2	24.8									N/A	N/A	N/A	N/A	N/A	N/A
	R15	LIVING ROOM	W28	32.9	24.0	8.9	27.1	20.9	13.2	7.7	36.8	99.1	98.6	0.5	0.5	N/A	N/A	N/A	N/A	N/A	N/A
			W29	15.9	8.7	7.2	45.3									N/A	N/A	N/A	N/A	N/A	N/A
	R16	LIVING ROOM	W30	16.0	10.4	5.6	35.0	21.1	14.9	6.2	29.4	99.4	97.7	1.7	1.7	N/A	N/A	N/A	N/A	N/A	N/A
			W31	33.1	25.5	7.6	23.0									N/A	N/A	N/A	N/A	N/A	N/A
	R17	KITCHEN	W32	37.2	29.6	7.6	20.4	20.9	17.1	3.8	18.2	98.6	98.6	0.0	0.0	39.0	10	36	10	7.7	0
			W33	4.6	4.6	0.0	0.0									15.0	5	15	5	0	0
	R18	KITCHEN	W34	4.4	2.0	2.4	54.5	20.9	16.3	4.6	22.0	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W35	37.3	30.5	6.8	18.2									N/A	N/A	N/A	N/A	N/A	N/A
	R19	LIVING ROOM	W36	33.3	26.5	6.8	20.4	23.1	17.2	5.9	25.5	99.1	98.8	0.3	0.3	N/A	N/A	N/A	N/A	N/A	N/A
			W37	18.8	13.3	5.5	29.3									N/A	N/A	N/A	N/A	N/A	N/A
F02	R1	BEDROOM	W1	18.9	18.9	0.0	0.0	22.7	21.3	1.4	6.2	97.5	96.4	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A
			W2	32.3	27.3	5.0	15.5									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	33.6	27.9	5.7	17.0	19.1	14.7	4.4	23.0	92.6	91.2	1.4	1.5	10.0	0	0	0	100	0
			W4	4.4	1.3	3.1	70.5									2.0	0	0	0	100	0
	R3	KITCHEN	W5	3.9	3.9	0.0	0.0	19.4	15.2	4.2	21.6	94.0	92.5	1.5	1.6	N/A	N/A	N/A	N/A	N/A	N/A
			W6	34.7	26.4	8.3	23.9									N/A	N/A	N/A	N/A	N/A	N/A
	R4	BEDROOM	W7	33.8	25.3	8.5	25.1	28.1	14.3	13.8	49.1	100.0	100.0	0.0	0.0	8.0	0	0	0	100	0
			W8	25.9	10.0	15.9	61.4									22.0	3	6	1	72.7	66.7
	R5	BEDROOM	W9	25.4	14.9	10.5	41.3	25.4	14.9	10.5	41.3	97.7	95.8	1.9	1.9	N/A	N/A	N/A	N/A	N/A	N/A
	R6	LIVING ROOM	W10	16.3	7.6	8.7	53.4	21.7	12.2	9.5	43.8	99.2	83.6	15.6	15.7	25.0	11	13	9	48	18.2
			W11	33.5	22.2	11.3	33.7									55.0	18	39	16	29.1	11.1
	R7	KITCHEN	W12	37.3	23.8	13.5	36.2	21.0	14.0	7.0	33.3	97.4	92.2	5.2	5.3	55.0	18	40	16	27.3	11.1
			W13	3.3	3.3	0.0	0.0									12.0	7	12	7	0	0
	R8	KITCHEN	W14	3.8	1.2	2.6	68.4	21.5	13.5	8.0	37.2	97.3	95.6	1.7	1.7	N/A	N/A	N/A	N/A	N/A	N/A
			W15	36.7	24.1	12.6	34.3									44.0	13	29	11	34.1	15.4

KENSAL HOUSE BLOCK 2 - EXISTING VS PROPOSED

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW PROPOSED		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
	R9	LIVING ROOM	W16	31.4	19.3	12.1	38.5	19.4	9.6	9.8	50.5	99.4	91.9	7.5	7.5	30.0	7	15	5	50	28.6
			W17	14.8	5.9	8.9	60.1									17.0	5	4	3	76.5	40
	R10	LIVING ROOM	W18	14.9	7.5	7.4	49.7	19.5	11.2	8.3	42.6	99.4	81.4	18.0	18.1	26.0	7	14	5	46.2	28.6
			W19	31.4	21.0	10.4	33.1									47.0	15	34	13	27.7	13.3
	R11	KITCHEN	W20	36.6	25.0	11.6	31.7	21.5	15.3	6.2	28.8	98.3	94.9	3.4	3.5	47.0	15	35	14	25.5	6.7
			W21	3.9	3.9	0.0	0.0									16.0	6	16	6	0	0
	R12	KITCHEN	W22	3.3	1.7	1.6	48.5	20.9	14.4	6.5	31.1	99.2	96.6	2.6	2.6	N/A	N/A	N/A	N/A	N/A	N/A
			W23	37.1	26.1	11.0	29.6									N/A	N/A	N/A	N/A	N/A	N/A
	R13	LIVING ROOM	W24	32.8	22.2	10.6	32.3	20.8	11.3	9.5	45.7	99.5	96.7	2.8	2.8	N/A	N/A	N/A	N/A	N/A	N/A
			W25	16.5	7.4	9.1	55.2									N/A	N/A	N/A	N/A	N/A	N/A
	R14	LIVING ROOM	W26	16.2	8.9	7.3	45.1	21.3	13.3	8.0	37.6	99.4	93.6	5.8	5.8	N/A	N/A	N/A	N/A	N/A	N/A
			W27	33.3	23.8	9.5	28.5									N/A	N/A	N/A	N/A	N/A	N/A
	R15	KITCHEN	W28	37.4	27.7	9.7	25.9	21.1	16.2	4.9	23.2	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W29	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R16	KITCHEN	W30	4.5	2.5	2.0	44.4	21.0	15.6	5.4	25.7	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W31	37.4	28.6	8.8	23.5									N/A	N/A	N/A	N/A	N/A	N/A
	R17	LIVING ROOM	W32	33.2	24.6	8.6	25.9	21.2	13.6	7.6	35.8	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W33	16.1	9.0	7.1	44.1									N/A	N/A	N/A	N/A	N/A	N/A
	R18	LIVING ROOM	W34	16.2	10.5	5.7	35.2	21.3	15.1	6.2	29.1	99.4	98.5	0.9	0.9	N/A	N/A	N/A	N/A	N/A	N/A
			W35	33.4	26.0	7.4	22.2									N/A	N/A	N/A	N/A	N/A	N/A
	R19	KITCHEN	W36	37.5	30.1	7.4	19.7	21.1	17.4	3.7	17.5	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W37	4.6	4.6	0.0	0.0									15.0	5	15	5	0	0
	R20	KITCHEN	W38	4.5	2.2	2.3	51.1	21.1	16.6	4.5	21.3	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W39	37.6	31.0	6.6	17.6									N/A	N/A	N/A	N/A	N/A	N/A
	R21	LIVING ROOM	W40	33.5	27.0	6.5	19.4	23.3	17.5	5.8	24.9	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W41	19.0	13.5	5.5	28.9									N/A	N/A	N/A	N/A	N/A	N/A
F03	R1	BEDROOM	W1	21.8	21.8	0.0	0.0	25.0	23.7	1.3	5.2	98.2	97.1	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A
			W2	33.2	28.5	4.7	14.2									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	34.6	29.1	5.5	15.9	19.6	15.4	4.2	21.4	92.6	91.2	1.4	1.5	2.0	0	0	0	100	0
			W4	4.5	1.5	3.0	66.7														
	R3	KITCHEN	W5	4.0	4.0	0.0	0.0	19.9	15.9	4.0	20.1	94.0	93.3	0.7	0.7	N/A	N/A	N/A	N/A	N/A	N/A
			W6	35.6	27.6	8.0	22.5									N/A	N/A	N/A	N/A	N/A	N/A
	R4	BEDROOM	W7	34.6	26.3	8.3	24.0	29.2	16.0	13.2	45.2	100.0	100.0	0.0	0.0	24.0	3	9	1	62.5	66.7
			W8	27.1	11.9	15.2	56.1														
	R5	BEDROOM	W9	26.1	16.0	10.1	38.7	26.1	16.0	10.1	38.7	98.5	98.1	0.4	0.4	N/A	N/A	N/A	N/A	N/A	N/A
	R6	LIVING ROOM	W10	16.4	7.7	8.7	53.0	21.8	12.4	9.4	43.1	99.2	83.9	15.3	15.4	25.0	11	14	9	44	18.2
			W11	33.7	22.7	11.0	32.6									57.0	20	42	18	26.3	10
	R7	KITCHEN	W12	37.6	24.5	13.1	34.8	21.2	14.4	6.8	32.1	97.4	92.2	5.2	5.3	55.0	18	40	16	27.3	11.1
			W13	3.4	3.4	0.0	0.0									12.0	7	12	7	0	0
	R8	KITCHEN	W14	3.9	1.4	2.5	64.1	21.6	14.1	7.5	34.7	97.3	96.5	0.8	0.8	8.0	0	0	0	100	0
			W15	36.9	25.0	11.9	32.2									44.0	13	31	11	29.5	15.4
	R9	LIVING ROOM	W16	31.6	20.2	11.4	36.1	19.6	10.1	9.5	48.5	99.4	93.7	5.7	5.7	30.0	7	16	5	46.7	28.6
			W17	15.0	6.2	8.8	58.7									17.0	5	4	3	76.5	40
	R10	LIVING ROOM	W18	15.1	7.6	7.5	49.7	19.6	11.5	8.1	41.3	99.4	84.1	15.3	15.4	26.0	7	14	5	46.2	28.6
			W19	31.5	21.5	10.0	31.7									47.0	15	34	13	27.7	13.3
	R11	KITCHEN	W20	36.8	25.9	10.9	29.6	21.6	15.7	5.9	27.3	98.3	95.7	2.6	2.6	47.0	15	35	14	25.5	6.7
			W21	3.9	3.9	0.0	0.0									16.0	6	16	6	0	0
	R12	KITCHEN	W22	3.3	1.9	1.4	42.4	21.0	14.9	6.1	29.0	99.2	96.6	2.6	2.6	N/A	N/A	N/A	N/A	N/A	N/A
			W23	37.4	27.0	10.4	27.8									N/A	N/A	N/A	N/A	N/A	N/A
	R13	LIVING ROOM	W24	33.1	23.0	10.1	30.5	21.0	11.8	9.2	43.8	99.5	99.5	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W25	16.7	7.8	8.9	53.3									N/A	N/A	N/A	N/A	N/A	N/A
	R14	LIVING ROOM	W26	16.3	9.1	7.2	44.2	21.4	13.6	7.8	36.4	99.4	96.5	2.9	2.9	N/A	N/A	N/A	N/A	N/A	N/A
			W27	33.5	24.3	9.2	27.5									N/A	N/A	N/A	N/A	N/A	N/A
	R15	KITCHEN	W28	37.6	28.4	9.2	24.5	21.2	16.6	4.6	21.7	98.6	98.6	0.0	0.0	39.0	10	31	10	20.5	0
			W29	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R16	KITCHEN	W30	4.5	2.7	1.8	40.0	21.1	16.0	5.1	24.2	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W31	37.6	29.3	8.3	22.1									N/A	N/A	N/A	N/A	N/A	N/A
	R17	LIVING ROOM	W32	33.4	25.3	8.1	24.3	21.3	14.0	7.3	34.3	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W33	16.2	9.3	6.9	42.6									N/A	N/A	N/A	N/A	N/A	N/A
	R18	LIVING ROOM	W34	16.3	10.6	5.7	35.0	21.4	15.3	6.1	28.5	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W35	33.5	26.4	7.1	21.2									N/A	N/A	N/A	N/A	N/A	N/A
	R19	KITCHEN	W36	37.6	30.6	7.0	18.6	21.2	17.7	3.5	16.5	98.6	98.6	0.0	0.0	39.0	10	36	10	7.7	0
			W37	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R20	KITCHEN	W38	4.5	2.4	2.1	46.7	21.1	17.0	4.1	19.4	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W39	37.7	31.5	6.2	16.4									N/A	N/A	N/A	N/A	N/A	N/A
	R21	LIVING ROOM	W40	33.7	27.5	6.2	18.4	23.5	17.8	5.7	24.3	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W41	19.2	13.7	5.5	28.6									N/A	N/A	N/A	N/A	N/A	N/A

KENSAL HOUSE BLOCK 2 - EXISTING VS PROPOSED

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW PROPOSED		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
F04	R1	BEDROOM	W1	24.9	24.9	0.0	0.0	27.5	26.3	1.2	4.4	98.9	97.9	1.0	1.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	34.2	29.8	4.4	12.9									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	35.6	30.4	5.2	14.6	20.1	16.1	4.0	19.9	92.6	91.2	1.4	1.5	10.0	0	0	0	100	0
			W4	4.5	1.7	2.8	62.2									2.0	0	0	0	100	0
	R3	KITCHEN	W5	4.2	4.2	0.0	0.0	20.4	16.6	3.8	18.6	94.0	94.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W6	36.4	28.9	7.5	20.6									N/A	N/A	N/A	N/A	N/A	N/A
	R4	BEDROOM	W7	35.3	27.6	7.7	21.8	31.4	19.0	12.4	39.5	100.0	100.0	0.0	0.0	8.0	0		0	87.5	0
			W8	29.8	15.6	14.2	47.7									36.0	4	22	2	38.9	50
	R5	BEDROOM	W9	28.0	18.5	9.5	33.9	28.0	18.5	9.5	33.9	98.9	98.9	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
	R6	LIVING ROOM	W10	16.4	7.9	8.5	51.8	21.9	12.7	9.2	42.0	99.2	84.4	14.8	14.9	25.0	11	14	9	44	18.2
			W11	34.0	23.3	10.7	31.5									57.0	20	42	18	26.3	10
	R7	KITCHEN	W12	37.9	25.7	12.2	32.2	21.3	15.0	6.3	29.6	97.4	93.1	4.3	4.4	57.0	20	43	18	24.6	10
			W13	3.4	3.4	0.0	0.0									12.0	7	12	7	0	0
	R8	KITCHEN	W14	3.9	1.6	2.3	59.0	21.8	14.7	7.1	32.6	97.3	96.5	0.8	0.8	8.0	0		0	75	0
			W15	37.2	25.9	11.3	30.4									45.0	13	32	11	28.9	15.4
	R9	LIVING ROOM	W16	31.7	21.0	10.7	33.8	19.6	10.5	9.1	46.4	99.4	95.8	3.6	3.6	30.0	7	16	5	46.7	28.6
			W17	15.0	6.5	8.5	56.7									17.0	5	4	3	76.5	40
	R10	LIVING ROOM	W18	15.1	7.7	7.4	49.0	19.7	11.7	8.0	40.6	99.4	88.6	10.8	10.9	26.0	7	14	5	46.2	28.6
			W19	31.7	22.1	9.6	30.3									47.0	15	34	13	27.7	13.3
	R11	KITCHEN	W20	37.1	26.9	10.2	27.5	21.8	16.3	5.5	25.2	98.3	95.7	2.6	2.6	47.0	15	35	14	25.5	6.7
			W21	3.9	3.9	0.0	0.0									16.0	6	16	6	0	0
	R12	KITCHEN	W22	3.3	2.1	1.2	36.4	21.2	15.6	5.6	26.4	99.2	96.6	2.6	2.6	N/A	N/A	N/A	N/A	N/A	N/A
			W23	37.7	28.0	9.7	25.7									N/A	N/A	N/A	N/A	N/A	N/A
	R13	LIVING ROOM	W24	33.3	23.9	9.4	28.2	21.1	12.4	8.7	41.2	99.5	99.5	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W25	16.8	8.3	8.5	50.6									N/A	N/A	N/A	N/A	N/A	N/A
	R14	LIVING ROOM	W26	16.4	9.3	7.1	43.3	21.5	14.0	7.5	34.9	99.4	98.8	0.6	0.6	N/A	N/A	N/A	N/A	N/A	N/A
			W27	33.7	25.0	8.7	25.8									N/A	N/A	N/A	N/A	N/A	N/A
	R15	KITCHEN	W28	37.8	29.3	8.5	22.5	21.3	17.0	4.3	20.2	98.6	98.6	0.0	0.0	8.0	0		0	87.5	0
			W29	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R16	KITCHEN	W30	4.6	3.0	1.6	34.8	21.2	16.6	4.6	21.7	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W31	37.8	30.1	7.7	20.4									N/A	N/A	N/A	N/A	N/A	N/A
	R17	LIVING ROOM	W32	33.6	26.1	7.5	22.3	21.4	14.5	6.9	32.2	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W33	16.3	9.6	6.7	41.1									N/A	N/A	N/A	N/A	N/A	N/A
	R18	LIVING ROOM	W34	16.3	10.7	5.6	34.4	21.5	15.5	6.0	27.9	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W35	33.7	27.0	6.7	19.9									N/A	N/A	N/A	N/A	N/A	N/A
	R19	KITCHEN	W36	37.8	31.3	6.5	17.2	21.3	18.0	3.3	15.5	98.6	98.6	0.0	0.0	8.0	0		0	87.5	0
			W37	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R20	KITCHEN	W38	4.6	2.6	2.0	43.5	21.3	17.3	4.0	18.8	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W39	37.9	32.0	5.9	15.6									N/A	N/A	N/A	N/A	N/A	N/A
	R21	LIVING ROOM	W40	33.8	28.0	5.8	17.2	23.5	18.1	5.4	23.0	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W41	19.2	14.0	5.2	27.1									N/A	N/A	N/A	N/A	N/A	N/A
F05	R1	BEDROOM	W1	35.8	27.1	8.7	24.3	35.8	27.1	8.7	24.3	98.9	98.9	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
	R2	LIVING ROOM	W2	16.4	8.2	8.2	50.0	22.4	13.6	8.8	39.3	99.2	85.2	14.0	14.1	25.0	11	14	9	44	18.2
			W3	35.6	25.3	10.3	28.9									57.0	20	44	18	22.8	10
	R3	KITCHEN	W4	38.5	26.9	11.6	30.1	21.7	15.6	6.1	28.1	97.4	93.1	4.3	4.4	57.0	20	45	18	21.1	10
			W5	3.4	3.4	0.0	0.0									12.0	7	12	7	0	0
	R4	KITCHEN	W6	3.9	1.8	2.1	53.8	22.3	15.8	6.5	29.1	97.3	96.5	0.8	0.8	8.0	0		0	75	0
			W7	38.2	27.8	10.4	27.2									50.0	15	38	13	24	13.3
	R5	LIVING ROOM	W8	33.8	23.8	10.0	29.6	20.3	11.5	8.8	43.3	99.4	97.0	2.4	2.4	37.0	7	23	5	37.8	28.6
			W9	15.1	6.8	8.3	55.0									17.0	5	4	3	76.5	40
	R6	LIVING ROOM	W10	15.1	7.9	7.2	47.7	20.3	12.5	7.8	38.4	99.4	91.9	7.5	7.5	26.0	7	14	5	46.2	28.6
			W11	33.8	24.5	9.3	27.5									47.0	15	34	13	27.7	13.3
	R7	KITCHEN	W12	38.2	28.6	9.6	25.1	22.4	17.2	5.2	23.2	98.3	95.7	2.6	2.6	47.0	15	35	14	25.5	6.7
			W13	3.9	3.9	0.0	0.0									16.0	6	16	6	0	0
	R8	KITCHEN	W14	3.4	2.3	1.1	32.4	21.6	16.4	5.2	24.1	100.0	97.5	2.5	2.5	N/A	N/A	N/A	N/A	N/A	N/A
			W15	38.4	29.4	9.0	23.4									N/A	N/A	N/A	N/A	N/A	N/A
	R9	LIVING ROOM	W16	35.0	26.3	8.7	24.9	21.5	13.4	8.1	37.7	99.5	99.5	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W17	16.8	8.9	7.9	47.0									N/A	N/A	N/A	N/A	N/A	N/A
	R10	LIVING ROOM	W18	16.5	9.8	6.7	40.6	22.1	15.0	7.1	32.1	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W19	35.3	27.2	8.1	22.9									N/A	N/A	N/A	N/A	N/A	N/A
	R11	KITCHEN	W20	38.4	30.6	7.8	20.3	21.6	17.7	3.9	18.1	98.6	98.6	0.0	0.0	39.0	10	31	10	20.5	0
			W21	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R12	KITCHEN	W22	4.6	3.2	1.4	30.4	21.5	17.3	4.2	19.5	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W23	38.4	31.3	7.1	18.5									N/A	N/A	N/A	N/A	N/A	N/A
	R13	LIVING ROOM	W24	35.2	28.2	7.0	19.9	22.0	15.5	6.5	29.5	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W25	16.4	10.1	6.3	38.4									N/A	N/A	N/A	N/A	N/A	N/A

KENSAL HOUSE BLOCK 2 - EXISTING VS PROPOSED

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW PROPOSED		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
	R14	LIVING ROOM	W26	16.4	11.0	5.4	32.9	22.0	16.3	5.7	25.9	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W27	35.3	29.0	6.3	17.8									N/A	N/A	N/A	N/A	N/A	N/A
	R15	KITCHEN	W28	38.4	32.3	6.1	15.9	21.6	18.5	3.1	14.4	98.6	98.6	0.0	0.0	39.0	10	36	10	7.7	0
			W29	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R16	KITCHEN	W30	4.6	2.7	1.9	41.3	21.6	17.9	3.7	17.1	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W31	38.5	33.0	5.5	14.3									N/A	N/A	N/A	N/A	N/A	N/A
	R17	LIVING ROOM	W32	35.5	30.0	5.5	15.5	24.1	18.9	5.2	21.6	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W33	19.3	14.3	5.0	25.9									N/A	N/A	N/A	N/A	N/A	N/A

KENSAL HOUSE BLOCK 2 - EXISTING VS CUMULATIVE

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW CUMULATIVE		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
KENSAL HOUSE BLOCK 2																					
F00	R1	KITCHEN	W1	35.2	27.1	8.1	23.0	35.2	27.1	8.1	23.0	99.3	99.3	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
	R2	LIVING ROOM	W2	32.8	24.6	8.2	25.0	24.5	17.3	7.2	29.4	99.1	96.8	2.3	2.3	N/A	N/A	N/A	N/A	N/A	N/A
			W3	18.0	11.6	6.4	35.6									N/A	N/A	N/A	N/A	N/A	N/A
	R3	LIVING ROOM	W4	18.0	11.1	6.9	38.3	24.9	17.5	7.4	29.7	99.4	98.3	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A
			W5	33.7	25.8	7.9	23.4									N/A	N/A	N/A	N/A	N/A	N/A
	R4	KITCHEN	W6	36.7	28.9	7.8	21.3	25.5	20.4	5.1	20.0	100.0	100.0	0.0	0.0	15.0	5	15	5	0	0
			W7	4.6	4.6	0.0	0.0														
	R5	KITCHEN	W8	4.3	1.8	2.5	58.1	20.7	15.9	4.8	23.2	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W9	37.0	30.0	7.0	18.9									N/A	N/A	N/A	N/A	N/A	N/A
	R6	LIVING ROOM	W10	32.9	26.0	6.9	21.0	22.8	16.8	6.0	26.3	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W11	18.5	13.0	5.5	29.7									N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	BEDROOM	W1	16.4	15.0	1.4	8.5	21.1	17.7	3.4	16.1	96.4	93.9	2.5	2.6	N/A	N/A	N/A	N/A	N/A	N/A
			W2	31.1	23.4	7.7	24.8									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	32.4	23.9	8.5	26.2	18.4	12.6	5.8	31.5	92.6	91.2	1.4	1.5	10.0	0	0	0	100	0
			W4	4.2	1.2	3.0	71.4									2.0	0	0	0	100	0
	R3	BEDROOM	W5	25.0	14.2	10.8	43.2	25.0	14.2	10.8	43.2	97.7	95.8	1.9	1.9	N/A	N/A	N/A	N/A	N/A	N/A
	R4	LIVING ROOM	W6	13.9	6.5	7.4	53.2	19.4	11.1	8.3	42.8	99.2	89.6	9.6	9.7	23.0	9	12	8	47.8	11.1
			W7	31.5	21.1	10.4	33.0									53.0	16	37	15	30.2	6.3
	R5	KITCHEN	W8	35.4	22.5	12.9	36.4	20.0	13.3	6.7	33.5	97.4	91.4	6.0	6.2	53.0	16	38	15	28.3	6.3
			W9	3.3	3.3	0.0	0.0									12.0	7	12	7	0	0
	R6	KITCHEN	W10	3.4	1.0	2.4	70.6	20.8	13.0	7.8	37.5	97.3	95.6	1.7	1.7	0.0	0	0	0	100	0
			W11	35.7	23.3	12.4	34.7									44.0	13	29	11	34.1	15.4
	R7	LIVING ROOM	W12	30.6	18.6	12.0	39.2	18.5	9.3	9.2	49.7	99.4	91.6	7.8	7.8	30.0	7	15	5	50	28.6
			W13	13.8	5.7	8.1	58.7									17.0	5	4	3	76.5	40
	R8	LIVING ROOM	W14	14.3	7.3	7.0	49.0	18.9	11.0	7.9	41.8	99.4	79.9	19.5	19.6	26.0	7	14	5	46.2	28.6
			W15	30.8	20.6	10.2	33.1									47.0	15	33	13	29.8	13.3
	R9	KITCHEN	W16	36.1	24.2	11.9	33.0	21.2	14.8	6.4	30.2	98.3	94.0	4.3	4.4	47.0	15	34	14	27.7	6.7
			W17	3.9	3.8	0.1	2.6									16.0	6	15	6	6.3	0
	R10	KITCHEN	W18	3.1	1.6	1.5	48.4	20.5	13.9	6.6	32.2	99.2	96.6	2.6	2.6	N/A	N/A	N/A	N/A	N/A	N/A
			W19	36.7	25.3	11.4	31.1									N/A	N/A	N/A	N/A	N/A	N/A
	R11	LIVING ROOM	W20	32.5	21.4	11.1	34.2	20.5	10.8	9.7	47.3	99.5	98.6	0.9	0.9	N/A	N/A	N/A	N/A	N/A	N/A
			W21	16.2	7.0	9.2	56.8									N/A	N/A	N/A	N/A	N/A	N/A
	R12	LIVING ROOM	W22	16.0	8.7	7.3	45.6	21.0	13.0	8.0	38.1	99.4	92.2	7.2	7.2	N/A	N/A	N/A	N/A	N/A	N/A
			W23	33.0	23.3	9.7	29.4									N/A	N/A	N/A	N/A	N/A	N/A
	R13	KITCHEN	W24	37.1	27.0	10.1	27.2	20.9	15.9	5.0	23.9	98.6	98.6	0.0	0.0	39.0	10	31	10	20.5	0
			W25	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R14	KITCHEN	W26	4.4	2.3	2.1	47.7	20.8	15.1	5.7	27.4	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W27	37.1	27.9	9.2	24.8									N/A	N/A	N/A	N/A	N/A	N/A
	R15	LIVING ROOM	W28	32.9	24.0	8.9	27.1	20.9	13.2	7.7	36.8	99.1	98.6	0.5	0.5	N/A	N/A	N/A	N/A	N/A	N/A
			W29	15.9	8.7	7.2	45.3									N/A	N/A	N/A	N/A	N/A	N/A
	R16	LIVING ROOM	W30	16.0	10.4	5.6	35.0	21.1	14.9	6.2	29.4	99.4	97.7	1.7	1.7	N/A	N/A	N/A	N/A	N/A	N/A
			W31	33.1	25.5	7.6	23.0									N/A	N/A	N/A	N/A	N/A	N/A
	R17	KITCHEN	W32	37.2	29.6	7.6	20.4	20.9	17.1	3.8	18.2	98.6	98.6	0.0	0.0	39.0	10	36	10	7.7	0
			W33	4.6	4.6	0.0	0.0									15.0	5	15	5	0	0
	R18	KITCHEN	W34	4.4	2.0	2.4	54.5	20.9	16.3	4.6	22.0	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W35	37.3	30.5	6.8	18.2									N/A	N/A	N/A	N/A	N/A	N/A
	R19	LIVING ROOM	W36	33.3	26.5	6.8	20.4	23.1	17.2	5.9	25.5	99.1	98.8	0.3	0.3	N/A	N/A	N/A	N/A	N/A	N/A
			W37	18.8	13.3	5.5	29.3									N/A	N/A	N/A	N/A	N/A	N/A
F02	R1	BEDROOM	W1	18.9	17.5	1.4	7.4	22.7	19.5	3.2	14.1	97.5	96.4	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A
			W2	32.3	24.6	7.7	23.8									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	33.6	25.2	8.4	25.0	19.1	13.3	5.8	30.4	92.6	91.2	1.4	1.5	10.0	0	0	0	100	0
			W4	4.4	1.3	3.1	70.5									2.0	0	0	0	100	0
	R3	KITCHEN	W5	3.9	1.9	2.0	51.3	19.4	13.1	6.3	32.5	94.0	91.8	2.2	2.3	N/A	N/A	N/A	N/A	N/A	N/A
			W6	34.7	24.1	10.6	30.5									N/A	N/A	N/A	N/A	N/A	N/A
	R4	BEDROOM	W7	33.8	23.0	10.8	32.0	28.1	13.7	14.4	51.2	100.0	96.1	3.9	3.9	8.0	0	0	0	100	0
			W8	25.9	10.0	15.9	61.4									22.0	3	6	1	72.7	66.7
	R5	BEDROOM	W9	25.4	14.9	10.5	41.3	25.4	14.9	10.5	41.3	97.7	95.8	1.9	1.9	N/A	N/A	N/A	N/A	N/A	N/A
	R6	LIVING ROOM	W10	16.3	7.6	8.7	53.4	21.7	12.2	9.5	43.8	99.2	83.6	15.6	15.7	25.0	11	13	9	48	18.2
			W11	33.5	22.2	11.3	33.7									55.0	18	39	16	29.1	11.1
	R7	KITCHEN	W12	37.3	23.8	13.5	36.2	21.0	14.0	7.0	33.3	97.4	92.2	5.2	5.3	55.0	18	40	16	27.3	11.1
			W13	3.3	3.3	0.0	0.0									12.0	7	12	7	0	0
	R8	KITCHEN	W14	3.8	1.2	2.6	68.4	21.5	13.5	8.0	37.2	97.3	95.6	1.7	1.7	0.0	0	0	0	100	0
			W15	36.7	24.1	12.6	34.3									44.0	13	29	11	34.1	15.4

KENSAL HOUSE BLOCK 2 - EXISTING VS CUMULATIVE

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW CUMULATIVE		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
	R9	LIVING ROOM	W16	31.4	19.3	12.1	38.5	19.4	9.6	9.8	50.5	99.4	91.9	7.5	7.5	30.0	7	15	5	50	28.6
			W17	14.8	5.9	8.9	60.1									17.0	5	4	3	76.5	40
	R10	LIVING ROOM	W18	14.9	7.5	7.4	49.7	19.5	11.2	8.3	42.6	99.4	81.4	18.0	18.1	26.0	7	14	5	46.2	28.6
			W19	31.4	21.0	10.4	33.1									47.0	15	34	13	27.7	13.3
	R11	KITCHEN	W20	36.6	25.0	11.6	31.7	21.5	15.3	6.2	28.8	98.3	94.9	3.4	3.5	47.0	15	35	14	25.5	6.7
			W21	3.9	3.9	0.0	0.0									16.0	6	16	6	0	0
	R12	KITCHEN	W22	3.3	1.7	1.6	48.5	20.9	14.4	6.5	31.1	99.2	96.6	2.6	2.6	N/A	N/A	N/A	N/A	N/A	N/A
			W23	37.1	26.1	11.0	29.6									N/A	N/A	N/A	N/A	N/A	N/A
	R13	LIVING ROOM	W24	32.8	22.2	10.6	32.3	20.8	11.3	9.5	45.7	99.5	96.7	2.8	2.8	N/A	N/A	N/A	N/A	N/A	N/A
			W25	16.5	7.4	9.1	55.2									N/A	N/A	N/A	N/A	N/A	N/A
	R14	LIVING ROOM	W26	16.2	8.9	7.3	45.1	21.3	13.3	8.0	37.6	99.4	93.6	5.8	5.8	N/A	N/A	N/A	N/A	N/A	N/A
			W27	33.3	23.8	9.5	28.5									N/A	N/A	N/A	N/A	N/A	N/A
	R15	KITCHEN	W28	37.4	27.7	9.7	25.9	21.1	16.2	4.9	23.2	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W29	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R16	KITCHEN	W30	4.5	2.5	2.0	44.4	21.0	15.6	5.4	25.7	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W31	37.4	28.6	8.8	23.5									N/A	N/A	N/A	N/A	N/A	N/A
	R17	LIVING ROOM	W32	33.2	24.6	8.6	25.9	21.2	13.6	7.6	35.8	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W33	16.1	9.0	7.1	44.1									N/A	N/A	N/A	N/A	N/A	N/A
	R18	LIVING ROOM	W34	16.2	10.5	5.7	35.2	21.3	15.1	6.2	29.1	99.4	98.5	0.9	0.9	N/A	N/A	N/A	N/A	N/A	N/A
			W35	33.4	26.0	7.4	22.2									N/A	N/A	N/A	N/A	N/A	N/A
	R19	KITCHEN	W36	37.5	30.1	7.4	19.7	21.1	17.4	3.7	17.5	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W37	4.6	4.6	0.0	0.0									15.0	5	15	5	0	0
	R20	KITCHEN	W38	4.5	2.2	2.3	51.1	21.1	16.6	4.5	21.3	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W39	37.6	31.0	6.6	17.6									N/A	N/A	N/A	N/A	N/A	N/A
	R21	LIVING ROOM	W40	33.5	27.0	6.5	19.4	23.3	17.5	5.8	24.9	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W41	19.0	13.5	5.5	28.9									N/A	N/A	N/A	N/A	N/A	N/A
F03	R1	BEDROOM	W1	21.8	20.4	1.4	6.4	25.0	22.0	3.0	12.0	98.2	97.1	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A
			W2	33.2	25.9	7.3	22.0									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	34.6	26.6	8.0	23.1	19.6	14.1	5.5	28.1	92.6	91.2	1.4	1.5	18.0	6	18	6	0	0
			W4	4.5	1.5	3.0	66.7									2.0	0	0	0	100	0
	R3	KITCHEN	W5	4.0	2.2	1.8	45.0	19.9	13.9	6.0	30.2	94.0	92.5	1.5	1.6	N/A	N/A	N/A	N/A	N/A	N/A
			W6	35.6	25.5	10.1	28.4									N/A	N/A	N/A	N/A	N/A	N/A
	R4	BEDROOM	W7	34.6	24.2	10.4	30.1	29.2	15.4	13.8	47.3	100.0	97.5	2.5	2.5	24.0	3	9	1	62.5	66.7
			W8	27.1	11.9	15.2	56.1														
	R5	BEDROOM	W9	26.1	16.0	10.1	38.7	26.1	16.0	10.1	38.7	98.5	98.1	0.4	0.4	N/A	N/A	N/A	N/A	N/A	N/A
	R6	LIVING ROOM	W10	16.4	7.7	8.7	53.0	21.8	12.4	9.4	43.1	99.2	83.9	15.3	15.4	25.0	11	14	9	44	18.2
			W11	33.7	22.7	11.0	32.6									57.0	20	42	18	26.3	10
	R7	KITCHEN	W12	37.6	24.5	13.1	34.8	21.2	14.4	6.8	32.1	97.4	92.2	5.2	5.3	55.0	18	40	16	27.3	11.1
			W13	3.4	3.4	0.0	0.0									12.0	7	12	7	0	0
	R8	KITCHEN	W14	3.9	1.4	2.5	64.1	21.6	14.1	7.5	34.7	97.3	96.5	0.8	0.8	8.0	0	8	0	100	0
			W15	36.9	25.0	11.9	32.2									44.0	13	31	11	29.5	15.4
	R9	LIVING ROOM	W16	31.6	20.2	11.4	36.1	19.6	10.1	9.5	48.5	99.4	93.7	5.7	5.7	30.0	7	16	5	46.7	28.6
			W17	15.0	6.2	8.8	58.7									17.0	5	4	3	76.5	40
	R10	LIVING ROOM	W18	15.1	7.6	7.5	49.7	19.6	11.5	8.1	41.3	99.4	84.1	15.3	15.4	26.0	7	14	5	46.2	28.6
			W19	31.5	21.5	10.0	31.7									47.0	15	34	13	27.7	13.3
	R11	KITCHEN	W20	36.8	25.9	10.9	29.6	21.6	15.7	5.9	27.3	98.3	95.7	2.6	2.6	47.0	15	35	14	25.5	6.7
			W21	3.9	3.9	0.0	0.0									16.0	6	16	6	0	0
	R12	KITCHEN	W22	3.3	1.9	1.4	42.4	21.0	14.9	6.1	29.0	99.2	96.6	2.6	2.6	N/A	N/A	N/A	N/A	N/A	N/A
			W23	37.4	27.0	10.4	27.8									N/A	N/A	N/A	N/A	N/A	N/A
	R13	LIVING ROOM	W24	33.1	23.0	10.1	30.5	21.0	11.8	9.2	43.8	99.5	99.5	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W25	16.7	7.8	8.9	53.3									N/A	N/A	N/A	N/A	N/A	N/A
	R14	LIVING ROOM	W26	16.3	9.1	7.2	44.2	21.4	13.6	7.8	36.4	99.4	96.5	2.9	2.9	N/A	N/A	N/A	N/A	N/A	N/A
			W27	33.5	24.3	9.2	27.5									N/A	N/A	N/A	N/A	N/A	N/A
	R15	KITCHEN	W28	37.6	28.4	9.2	24.5	21.2	16.6	4.6	21.7	98.6	98.6	0.0	0.0	39.0	10	31	10	20.5	0
			W29	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R16	KITCHEN	W30	4.5	2.7	1.8	40.0	21.1	16.0	5.1	24.2	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W31	37.6	29.3	8.3	22.1									N/A	N/A	N/A	N/A	N/A	N/A
	R17	LIVING ROOM	W32	33.4	25.3	8.1	24.3	21.3	14.0	7.3	34.3	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W33	16.2	9.3	6.9	42.6									N/A	N/A	N/A	N/A	N/A	N/A
	R18	LIVING ROOM	W34	16.3	10.6	5.7	35.0	21.4	15.3	6.1	28.5	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W35	33.5	26.4	7.1	21.2									N/A	N/A	N/A	N/A	N/A	N/A
	R19	KITCHEN	W36	37.6	30.6	7.0	18.6	21.2	17.7	3.5	16.5	98.6	98.6	0.0	0.0	39.0	10	36	10	7.7	0
			W37	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R20	KITCHEN	W38	4.5	2.4	2.1	46.7	21.1	17.0	4.1	19.4	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W39	37.7	31.5	6.2	16.4									N/A	N/A	N/A	N/A	N/A	N/A
	R21	LIVING ROOM	W40	33.7	27.5	6.2	18.4	23.5	17.8	5.7	24.3	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W41	19.2	13.7	5.5	28.6									N/A	N/A	N/A	N/A	N/A	N/A

KENSAL HOUSE BLOCK 2 - EXISTING VS CUMULATIVE

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW CUMULATIVE		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
F04	R1	BEDROOM	W1	24.9	23.5	1.4	5.6	27.5	24.6	2.9	10.5	98.9	97.9	1.0	1.0	N/A	N/A	N/A	N/A	N/A	N/A
			W2	34.2	27.4	6.8	19.9									N/A	N/A	N/A	N/A	N/A	N/A
	R2	KITCHEN	W3	35.6	28.1	7.5	21.1	20.1	15.0	5.1	25.4	92.6	91.2	1.4	1.5	10.0	0	2	0	80	0
			W4	4.5	1.7	2.8	62.2									2.0	0	0	0	100	0
	R3	KITCHEN	W5	4.2	2.5	1.7	40.5	20.4	14.8	5.6	27.5	94.0	93.3	0.7	0.7	N/A	N/A	N/A	N/A	N/A	N/A
			W6	36.4	26.9	9.5	26.1									N/A	N/A	N/A	N/A	N/A	N/A
	R4	BEDROOM	W7	35.3	25.6	9.7	27.5	31.4	18.4	13.0	41.4	100.0	98.9	1.1	1.1	8.0	0		0	87.5	0
			W8	29.8	15.6	14.2	47.7									36.0	4	22	2	38.9	50
	R5	BEDROOM	W9	28.0	18.5	9.5	33.9	28.0	18.5	9.5	33.9	98.9	98.9	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
	R6	LIVING ROOM	W10	16.4	7.9	8.5	51.8	21.9	12.7	9.2	42.0	99.2	84.4	14.8	14.9	25.0	11	14	9	44	18.2
			W11	34.0	23.3	10.7	31.5									57.0	20	42	18	26.3	10
	R7	KITCHEN	W12	37.9	25.7	12.2	32.2	21.3	15.0	6.3	29.6	97.4	93.1	4.3	4.4	57.0	20	43	18	24.6	10
			W13	3.4	3.4	0.0	0.0									12.0	7	12	7	0	0
	R8	KITCHEN	W14	3.9	1.6	2.3	59.0	21.8	14.7	7.1	32.6	97.3	96.5	0.8	0.8	8.0	0	8	0	0	0
			W15	37.2	25.9	11.3	30.4									45.0	13	32	11	28.9	15.4
	R9	LIVING ROOM	W16	31.7	21.0	10.7	33.8	19.6	10.5	9.1	46.4	99.4	95.8	3.6	3.6	30.0	7	16	5	46.7	28.6
			W17	15.0	6.5	8.5	56.7									17.0	5	4	3	76.5	40
	R10	LIVING ROOM	W18	15.1	7.7	7.4	49.0	19.7	11.7	8.0	40.6	99.4	88.6	10.8	10.9	26.0	7	14	5	46.2	28.6
			W19	31.7	22.1	9.6	30.3									47.0	15	34	13	27.7	13.3
	R11	KITCHEN	W20	37.1	26.9	10.2	27.5	21.8	16.3	5.5	25.2	98.3	95.7	2.6	2.6	47.0	15	35	14	25.5	6.7
			W21	3.9	3.9	0.0	0.0									16.0	6	16	6	0	0
	R12	KITCHEN	W22	3.3	2.1	1.2	36.4	21.2	15.6	5.6	26.4	99.2	96.6	2.6	2.6	N/A	N/A	N/A	N/A	N/A	N/A
			W23	37.7	28.0	9.7	25.7									N/A	N/A	N/A	N/A	N/A	N/A
	R13	LIVING ROOM	W24	33.3	23.9	9.4	28.2	21.1	12.4	8.7	41.2	99.5	99.5	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W25	16.8	8.3	8.5	50.6									N/A	N/A	N/A	N/A	N/A	N/A
	R14	LIVING ROOM	W26	16.4	9.3	7.1	43.3	21.5	14.0	7.5	34.9	99.4	98.8	0.6	0.6	N/A	N/A	N/A	N/A	N/A	N/A
			W27	33.7	25.0	8.7	25.8									N/A	N/A	N/A	N/A	N/A	N/A
	R15	KITCHEN	W28	37.8	29.3	8.5	22.5	21.3	17.0	4.3	20.2	98.6	98.6	0.0	0.0	8.0	0	8	0	0	0
			W29	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R16	KITCHEN	W30	4.6	3.0	1.6	34.8	21.2	16.6	4.6	21.7	97.8	97.8	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W31	37.8	30.1	7.7	20.4									N/A	N/A	N/A	N/A	N/A	N/A
	R17	LIVING ROOM	W32	33.6	26.1	7.5	22.3	21.4	14.5	6.9	32.2	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W33	16.3	9.6	6.7	41.1									N/A	N/A	N/A	N/A	N/A	N/A
	R18	LIVING ROOM	W34	16.3	10.7	5.6	34.4	21.5	15.5	6.0	27.9	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W35	33.7	27.0	6.7	19.9									N/A	N/A	N/A	N/A	N/A	N/A
	R19	KITCHEN	W36	37.8	31.3	6.5	17.2	21.3	18.0	3.3	15.5	98.6	98.6	0.0	0.0	8.0	0	8	0	0	0
			W37	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R20	KITCHEN	W38	4.6	2.6	2.0	43.5	21.3	17.3	4.0	18.8	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W39	37.9	32.0	5.9	15.6									N/A	N/A	N/A	N/A	N/A	N/A
	R21	LIVING ROOM	W40	33.8	28.0	5.8	17.2	23.5	18.1	5.4	23.0	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W41	19.2	14.0	5.2	27.1									N/A	N/A	N/A	N/A	N/A	N/A
F05	R1	BEDROOM	W1	35.8	26.8	9.0	25.1	35.8	26.8	9.0	25.1	98.9	98.9	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
	R2	LIVING ROOM	W2	16.4	8.2	8.2	50.0	22.4	13.6	8.8	39.3	99.2	85.2	14.0	14.1	25.0	11	14	9	44	18.2
			W3	35.6	25.3	10.3	28.9									57.0	20	44	18	22.8	10
	R3	KITCHEN	W4	38.5	26.9	11.6	30.1	21.7	15.6	6.1	28.1	97.4	93.1	4.3	4.4	57.0	20	45	18	21.1	10
			W5	3.4	3.4	0.0	0.0									12.0	7	12	7	0	0
	R4	KITCHEN	W6	3.9	1.8	2.1	53.8	22.3	15.8	6.5	29.1	97.3	96.5	0.8	0.8	8.0	0	8	0	75	0
			W7	38.2	27.8	10.4	27.2									50.0	15	38	13	24	13.3
	R5	LIVING ROOM	W8	33.8	23.8	10.0	29.6	20.3	11.5	8.8	43.3	99.4	97.0	2.4	2.4	37.0	7	23	5	37.8	28.6
			W9	15.1	6.8	8.3	55.0									17.0	5	4	3	76.5	40
	R6	LIVING ROOM	W10	15.1	7.9	7.2	47.7	20.3	12.5	7.8	38.4	99.4	91.9	7.5	7.5	26.0	7	14	5	46.2	28.6
			W11	33.8	24.5	9.3	27.5									47.0	15	34	13	27.7	13.3
	R7	KITCHEN	W12	38.2	28.6	9.6	25.1	22.4	17.2	5.2	23.2	98.3	95.7	2.6	2.6	47.0	15	35	14	25.5	6.7
			W13	3.9	3.9	0.0	0.0									16.0	6	16	6	0	0
	R8	KITCHEN	W14	3.4	2.3	1.1	32.4	21.6	16.4	5.2	24.1	100.0	97.5	2.5	2.5	N/A	N/A	N/A	N/A	N/A	N/A
			W15	38.4	29.4	9.0	23.4									N/A	N/A	N/A	N/A	N/A	N/A
	R9	LIVING ROOM	W16	35.0	26.3	8.7	24.9	21.5	13.4	8.1	37.7	99.5	99.5	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W17	16.8	8.9	7.9	47.0									N/A	N/A	N/A	N/A	N/A	N/A
	R10	LIVING ROOM	W18	16.5	9.8	6.7	40.6	22.1	15.0	7.1	32.1	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W19	35.3	27.2	8.1	22.9									N/A	N/A	N/A	N/A	N/A	N/A
	R11	KITCHEN	W20	38.4	30.6	7.8	20.3	21.6	17.7	3.9	18.1	98.6	98.6	0.0	0.0	39.0	10	31	10	20.5	0
			W21	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R12	KITCHEN	W22	4.6	3.2	1.4	30.4	21.5	17.3	4.2	19.5	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W23	38.4	31.3	7.1	18.5									N/A	N/A	N/A	N/A	N/A	N/A
	R13	LIVING ROOM	W24	35.2	28.2	7.0	19.9	22.0	15.5	6.5	29.5	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W25	16.4	10.1	6.3	38.4									N/A	N/A	N/A	N/A	N/A	N/A

KENSAL HOUSE BLOCK 2 - EXISTING VS CUMULATIVE

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW CUMULATIVE		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
	R14	LIVING ROOM	W26	16.4	11.0	5.4	32.9	22.0	16.3	5.7	25.9	99.4	99.4	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W27	35.3	29.0	6.3	17.8									N/A	N/A	N/A	N/A	N/A	N/A
	R15	KITCHEN	W28	38.4	32.3	6.1	15.9	21.6	18.5	3.1	14.4	98.6	98.6	0.0	0.0	39.0	10	36	10	7.7	0
			W29	4.7	4.7	0.0	0.0									15.0	5	15	5	0	0
	R16	KITCHEN	W30	4.6	2.7	1.9	41.3	21.6	17.9	3.7	17.1	98.6	98.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W31	38.5	33.0	5.5	14.3									N/A	N/A	N/A	N/A	N/A	N/A
	R17	LIVING ROOM	W32	35.5	30.0	5.5	15.5	24.1	18.9	5.2	21.6	99.1	99.1	0.0	0.0	N/A	N/A	N/A	N/A	N/A	N/A
			W33	19.3	14.3	5.0	25.9									N/A	N/A	N/A	N/A	N/A	N/A

KENSAL HOUSE NURSERY - EXISTING VS PROPOSED

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW PROPOSED		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
KENSAL HOUSE NURSERY																					
F00	R1	CLASSROOM	W1	14.7	1.3	13.4	91.2	17.9	11.7	6.2	34.6	99.8	99.8	0.0	0.0	21.0	6	1	1	95.2	83.3
			W2	24.9	3.2	21.7	87.1									21.0	6	1	1	95.2	83.3
			W3	27.4	3.0	24.4	89.1									21.0	6	1	1	95.2	83.3
			W4	27.7	2.9	24.8	89.5									21.0	6	1	1	95.2	83.3
			W5	27.7	2.6	25.1	90.6									22.0	5	1	1	95.5	80
			W6	27.7	2.4	25.3	91.3									22.0	5	1	1	95.5	80
			W7	27.7	2.2	25.5	92.1									24.0	5	2	1	91.7	80
			W8	27.8	2.3	25.5	91.7									24.0	5	2	1	91.7	80
			W9	28.0	2.4	25.6	91.4									27.0	6	4	3	85.2	50
			W10	28.6	2.6	26.0	90.9									28.0	6	4	3	85.7	50
			W11	26.7	0.5	26.2	98.1									22.0	4	0	0	100	100
			W12	34.6	29.4	5.2	15.0									78.0	27	63	23	19.2	14.8
			W13	34.3	28.9	5.4	15.7									77.0	27	61	23	20.8	14.8
			W14	32.5	27.5	5.0	15.4									71.0	24	57	21	19.7	12.5
			W15	26.8	22.1	4.7	17.5									54.0	21	41	19	24.1	9.5
			W16	6.2	6.2	0.0	0.0									7.0	3	7	3	0	0
			W17	25.8	25.3	0.5	1.9									36.0	9	36	9	0	0
			W18	6.9	6.9	0.0	0.0									11.0	6	11	6	0	0
			W19	26.1	25.8	0.3	1.1									39.0	12	39	12	0	0
			W20	5.6	5.6	0.0	0.0									9.0	3	9	3	0	0
			W21	26.2	26.0	0.2	0.8									41.0	13	41	13	0	0
			W22	7.1	7.1	0.0	0.0									11.0	5	11	5	0	0
			W23	26.3	26.3	0.0	0.0									41.0	13	41	13	0	0
			W24	3.2	3.2	0.0	0.0									6.0	2	6	2	0	0
			W25	26.3	26.3	0.0	0.0									45.0	14	45	14	0	0
			W26	7.5	7.5	0.0	0.0									11.0	6	11	6	0	0
			W27	26.2	26.2	0.0	0.0									47.0	17	47	17	0	0
			W28	7.6	7.6	0.0	0.0									10.0	6	10	6	0	0
	R2	CLASSROOM	W29	3.0	3.0	0.0	0.0	22.2	7.9	14.3	64.4	99.9	98.8	1.1	1.1	3.0	3	3	3	0	0
			W30	26.5	26.5	0.0	0.0									50.0	18	50	18	0	0
			W31	5.3	5.3	0.0	0.0									5.0	5	5	5	0	0
			W32	27.2	27.2	0.0	0.0									54.0	21	54	21	0	0
			W33	0.7	0.7	0.0	0.0									1.0	1	1	1	0	0
			W34	27.5	27.5	0.0	0.0									56.0	22	56	22	0	0
			W35	9.2	9.2	0.0	0.0									11.0	11	11	11	0	0
			W36	27.7	27.7	0.0	0.0									58.0	23	58	23	0	0
			W37	9.3	9.3	0.0	0.0									12.0	12	12	12	0	0
			W38	27.9	27.8	0.1	0.4									61.0	24	60	23	1.6	4.2
			W39	9.7	9.7	0.0	0.0									14.0	14	14	14	0	0
			W40	28.1	27.9	0.2	0.7									63.0	25	62	24	1.6	4
			W41	28.2	27.8	0.4	1.4									63.0	25	62	24	1.6	4
			W42	10.0	10.0	0.0	0.0									15.0	15	15	15	0	0
			W43	29.9	3.7	26.2	87.6									7.0	0	0	0	100	0
			W44	29.9	3.5	26.4	88.3									9.0	1	0	0	100	100
			W45	30.0	3.5	26.5	88.3									9.0	1	0	0	100	100
			W46	31.5	3.3	28.2	89.5									8.0	1	0	0	100	0
			W47	30.1	3.5	26.6	88.4									9.0	1	0	0	100	100
			W48	32.8	4.1	28.7	87.5									9.0	1	0	0	100	100
			W49	32.9	4.0	28.9	87.8									11.0	1	0	0	100	100
			W50	30.2	3.6	26.6	88.1									12.0	2	0	0	100	100
			W51	33.1	3.9	29.2	88.2									13.0	2	0	0	100	100
			W52	33.1	3.9	29.2	88.2									13.0	2	0	0	100	100
			W53	30.3	3.8	26.5	87.5									13.0	2	0	0	100	100
			W54	33.2	3.9	29.3	88.3									13.0	2	0	0	100	100
			W55	33.2	4.0	29.2	88.0									14.0	2	0	0	100	100
			W56	30.3	3.8	26.5	87.5									13.0	2	0	0	100	100
			W57	33.3	4.0	29.3	88.0									15.0	2	0	0	100	100
			W58	33.5	4.1	29.4	87.8									16.0	2	0	0	100	100
			W59	30.5	3.9	26.6	87.2									13.0	2	0	0	100	100
			W60	33.4	4.1	29.3	87.7									17.0	3	0	0	100	100
			W61	33.5	4.1	29.4	87.8									17.0	3	0	0	100	100
			W62	30.6	3.9	26.7	87.3									14.0	2	0	0	100	100
			W63	33.6	4.0	29.6	88.1									18.0	3	0	0	100	100
			W64	30.6	4.0	26.6	86.9									14.0	2	0	0	100	100
			W65	33.7	3.9	29.8	88.4									20.0	3	0	0	100	100

KENSAL HOUSE NURSERY - EXISTING VS PROPOSED

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW PROPOSED		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
			W66	29.5	4.0	25.5	86.4									0.0	0	0	0	0	0
			W67	33.7	3.8	29.9	88.7									22.0	5	0	0	100	100
			W68	33.4	3.6	29.8	89.2									19.0	5	0	0	100	100
	R3	CLASSROOM	W69	23.6	7.2	16.4	69.5	17.2	11.2	6.0	34.9	100.0	100.0	0.0	0.0	1.0	0	0	0	100	0
			W70	25.7	8.3	17.4	67.7									2.0	0	0	0	100	0
			W71	27.3	8.5	18.8	68.9									2.0	0	0	0	100	0
			W72	27.8	7.8	20.0	71.9									2.0	0	0	0	100	0
			W73	28.2	6.9	21.3	75.5									2.0	0	0	0	100	0
			W74	28.5	6.2	22.3	78.2									5.0	0	0	0	100	0
			W75	28.9	5.5	23.4	81.0									6.0	0	0	0	100	0
			W76	29.2	5.2	24.0	82.2									6.0	0	0	0	100	0
			W77	6.4	6.4	0.0	0.0									9.0	9	9	9	0	0
			W78	26.8	26.8	0.0	0.0									57.0	23	57	23	0	0
			W79	8.1	8.1	0.0	0.0									11.0	11	11	11	0	0
			W80	29.3	27.2	2.1	7.2									68.0	27	61	25	10.3	7.4
			W81	29.4	26.8	2.6	8.8									68.0	27	60	25	11.8	7.4
			W82	3.9	3.6	0.3	7.7									5.0	5	5	5	0	0
			W83	29.7	26.5	3.2	10.8									67.0	27	57	25	14.9	7.4
			W84	11.5	11.1	0.4	3.5									16.0	16	16	16	0	0
			W85	29.9	26.1	3.8	12.7									66.0	26	57	24	13.6	7.7
			W86	11.7	11.1	0.6	5.1									16.0	16	15	15	6.3	6.3
	R4	KITCHEN	W87	20.7	14.3	6.4	30.9	24.0	15.5	8.5	35.4	96.1	93.2	2.9	3.0	N/A	N/A	N/A	N/A	N/A	N/A
			W88	22.4	15.2	7.2	32.1									N/A	N/A	N/A	N/A	N/A	N/A
			W89	24.1	15.6	8.5	35.3									N/A	N/A	N/A	N/A	N/A	N/A
			W90	25.6	15.8	9.8	38.3									N/A	N/A	N/A	N/A	N/A	N/A
			W91	25.5	15.7	9.8	38.4									N/A	N/A	N/A	N/A	N/A	N/A

KENSAL HOUSE NURSERY - EXISTING VS CUMULATIVE

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW CUMULATIVE		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
KENSAL HOUSE NURSERY																					
F00	R1	CLASSROOM	W1	14.7	1.3	13.4	91.2	17.9	11.7	6.2	34.6	99.8	99.8	0.0	0.0	21.0	6	1	1	95.2	83.3
			W2	24.9	3.2	21.7	87.1									24.0	6	1	1	95.8	83.3
			W3	27.4	3.0	24.4	89.1									21.0	6	1	1	95.2	83.3
			W4	27.7	2.9	24.8	89.5									21.0	5	1	1	95.2	80
			W5	27.7	2.6	25.1	90.6									22.0	5	1	1	95.5	80
			W6	27.7	2.4	25.3	91.3									24.0	5	1	1	95.8	80
			W7	27.7	2.2	25.5	92.1									24.0	5	2	1	91.7	80
			W8	27.8	2.3	25.5	91.7									25.0	5	2	2	92	60
			W9	28.0	2.4	25.6	91.4									27.0	6	4	3	85.2	50
			W10	28.6	2.6	26.0	90.9									24.0	6	4	4	83.3	66.7
			W11	26.7	0.5	26.2	98.1									22.0	4	0	0	100	100
			W12	34.6	29.4	5.2	15.0									78.0	27	63	23	19.2	14.8
			W13	34.3	28.9	5.4	15.7									77.0	27	61	23	20.8	14.8
			W14	32.5	27.5	5.0	15.4									71.0	24	57	21	19.7	12.5
			W15	26.8	22.1	4.7	17.5									54.0	21	41	19	24.1	9.5
			W16	6.2	6.2	0.0	0.0									7.0	3	7	3	0	0
			W17	25.8	25.1	0.7	2.7									36.0	9	36	9	0	0
			W18	6.9	6.9	0.0	0.0									11.0	6	11	6	0	0
			W19	26.1	25.6	0.5	1.9									39.0	12	39	12	0	0
			W20	5.6	5.6	0.0	0.0									9.0	3	9	3	0	0
			W21	26.2	25.9	0.3	1.1									41.0	13	41	13	0	0
			W22	7.1	7.1	0.0	0.0									11.0	5	11	5	0	0
			W23	26.3	26.2	0.1	0.4									41.0	13	41	13	0	0
			W24	3.2	3.2	0.0	0.0									6.0	2	6	2	0	0
			W25	26.3	26.3	0.0	0.0									45.0	14	45	14	0	0
			W26	7.5	7.5	0.0	0.0									11.0	6	11	6	0	0
			W27	26.2	26.2	0.0	0.0									47.0	17	47	17	0	0
			W28	7.6	7.6	0.0	0.0									10.0	6	10	6	0	0
	R2	CLASSROOM	W29	3.0	3.0	0.0	0.0	22.2	7.9	14.3	64.4	99.9	97.6	2.3	2.3	3.0	3	3	3	0	0
			W30	26.5	26.5	0.0	0.0									50.0	18	50	18	0	0
			W31	5.3	5.3	0.0	0.0									5.0	5	5	5	0	0
			W32	27.2	27.2	0.0	0.0									54.0	21	54	21	0	0
			W33	0.7	0.7	0.0	0.0									1.0	1	1	1	0	0
			W34	27.5	27.5	0.0	0.0									56.0	22	56	22	0	0
			W35	9.2	9.2	0.0	0.0									11.0	11	11	11	0	0
			W36	27.7	27.7	0.0	0.0									58.0	23	58	23	0	0
			W37	9.3	9.3	0.0	0.0									12.0	12	12	12	0	0
			W38	27.9	27.8	0.1	0.4									61.0	24	60	23	1.6	4.2
			W39	9.7	9.7	0.0	0.0									14.0	14	14	14	0	0
			W40	28.1	27.9	0.2	0.7									63.0	25	62	24	1.6	4
			W41	28.2	27.8	0.4	1.4									63.0	25	62	24	1.6	4
			W42	10.0	10.0	0.0	0.0									15.0	15	15	15	0	0
			W43	29.9	3.5	26.4	88.3									7.0	0	0	0	100	0
			W44	29.9	3.4	26.5	88.6									9.0	1	0	0	100	100
			W45	30.0	3.4	26.6	88.7									9.0	1	0	0	100	100
			W46	31.5	3.3	28.2	89.5									9.0	1	0	0	100	100
			W47	30.1	3.5	26.6	88.4									9.0	1	0	0	100	100
			W48	32.8	4.1	28.7	87.5									9.0	1	0	0	100	100
			W49	32.9	4.0	28.9	87.8									11.0	1	0	0	100	100
			W50	30.2	3.5	26.7	88.4									12.0	2	0	0	100	100
			W51	33.1	3.9	29.2	88.2									13.0	2	0	0	100	100
			W52	33.1	3.9	29.2	88.2									13.0	2	0	0	100	100
			W53	30.3	3.8	26.5	87.5									13.0	2	0	0	100	100
			W54	33.2	3.9	29.3	88.3									13.0	2	0	0	100	100
			W55	33.2	4.0	29.2	88.0									14.0	2	0	0	100	100
			W56	30.3	3.8	26.5	87.5									13.0	2	0	0	100	100
			W57	33.3	4.0	29.3	88.0									15.0	2	0	0	100	100
			W58	33.5	4.1	29.4	87.8									16.0	2	0	0	100	100
			W59	30.5	3.9	26.6	87.2									13.0	2	0	0	100	100
			W60	33.4	4.1	29.3	87.7									17.0	3	0	0	100	100
			W61	33.5	4.1	29.4	87.8									17.0	3	0	0	100	100
			W62	30.6	3.9	26.7	87.3									14.0	3	0	0	100	100
			W63	33.6	4.0	29.6	88.1									16.0	3	0	0	100	100
			W64	30.6	4.0	26.6	86.9									14.0	2	0	0	100	100
			W65	33.7	3.9	29.8	88.4									20.0	3	0	0	100	100

KENSAL HOUSE NURSERY - EXISTING VS CUMULATIVE

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW CUMULATIVE		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
			W66	29.5	4.0	25.5	86.4									11.0	0	0	0	N/A	N/A
			W67	33.7	3.8	29.9	88.7									22.0	5	0	0	100	100
			W68	33.4	3.6	29.8	89.2									19.0	5	0	0	100	100
	R3	CLASSROOM	W69	23.6	6.5	17.1	72.5	17.2	10.9	6.3	36.6	100.0	100.0	0.0	0.0	10	0	0	0	100	0
			W70	25.7	7.2	18.5	72.0									2.0	0	0	0	100	0
			W71	27.3	7.3	20.0	73.3									2.0	0	0	0	100	0
			W72	27.8	6.7	21.1	75.9									2.0	0	0	0	100	0
			W73	28.2	6.0	22.2	78.7									2.0	0	0	0	100	0
			W74	28.5	5.4	23.1	81.1									2.0	0	0	0	100	0
			W75	28.9	4.9	24.0	83.0									6.0	0	0	0	100	0
			W76	29.2	4.7	24.5	83.9									6.0	0	0	0	100	0
			W77	6.4	6.4	0.0	0.0									9.0	9	9	9	0	0
			W78	26.8	26.8	0.0	0.0									57.0	23	57	23	0	0
			W79	8.1	8.1	0.0	0.0									11.0	11	11	11	0	0
			W80	29.3	27.2	2.1	7.2									68.0	27	61	25	10.3	7.4
			W81	29.4	26.8	2.6	8.8									68.0	27	60	25	11.8	7.4
			W82	3.9	3.6	0.3	7.7									5.0	5	5	5	0	0
			W83	29.7	26.5	3.2	10.8									67.0	27	57	25	14.9	7.4
			W84	11.5	11.1	0.4	3.5									16.0	16	16	16	0	0
			W85	29.9	26.1	3.8	12.7									66.0	26	57	24	13.6	7.7
			W86	11.7	11.1	0.6	5.1									16.0	16	15	15	6.3	6.3
	R4	KITCHEN	W87	20.7	12.4	8.3	40.1	24.0	13.5	10.5	43.8	96.1	93.2	2.9	3.0	N/A	N/A	N/A	N/A	N/A	N/A
			W88	22.4	13.3	9.1	40.6									N/A	N/A	N/A	N/A	N/A	N/A
			W89	24.1	13.6	10.5	43.6									N/A	N/A	N/A	N/A	N/A	N/A
			W90	25.6	13.8	11.8	46.1									N/A	N/A	N/A	N/A	N/A	N/A
			W91	25.5	13.8	11.7	45.9									N/A	N/A	N/A	N/A	N/A	N/A

WATER HOUSE - EXISTING VS PROPOSED

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW PROPOSED		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	EXISTING	PROPOSED	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
WATER TOWER																					
F05	R1	BEDROOM	W1	37.1	20.5	16.6	44.7	36.3	30.3	6.0	16.5	100.0	100.0	0.0	0.0	71.0	26	46	17	35.2	34.6
			W2	35.9	34.7	1.2	3.3									65.0	23	64	22	1.5	4.3
			W3	36.0	36.0	0.0	0.0									19.0	2	19	2	0	0
F06	R1	BEDROOM	W1	37.1	28.8	8.3	22.4	36.9	34.1	2.8	7.6	100.0	100.0	0.0	0.0	81.0	30	66	22	18.5	26.7
			W2	36.6	36.5	0.1	0.3									48.0	15	48	15	0	0
			W3	36.9	36.9	0.0	0.0									3.0	0	3	0	0	0
F07	R1	BEDROOM	W1	37.1	35.7	1.4	3.8	37.1	32.3	4.8	12.9	100.0	100.0	0.0	0.0	11.0	0	6	0	45.5	0
			W2	37.1	22.1	15.0	40.4									54.0	20	34	13	37	35
			W3	37.1	34.4	2.7	7.3									81.0	28	76	23	6.2	17.9
			W4	37.0	37.0	0.0	0.0									34.0	7	34	7	0	0

WATER HOUSE - EXISTING VS CUMULATIVE

				VERTICAL SKY COMPONENT (WINDOWS)				VERTICAL SKY COMPONENT (ROOMS)				NO SKY LINE				ANNUAL PROBABLE SUNLIGHT HOURS					
																WINDOW EXISTING		WINDOW CUMULATIVE		TOTAL	WINTER
FLOOR	ROOM	ROOM USE	WINDOW	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	EXISTING	CUMULATIVE	LOSS	%	TOTAL	WINTER	TOTAL	WINTER	% LOSS	% LOSS
WATER TOWER																					
F05	R1	BEDROOM	W1	37.1	20.5	16.6	44.7	36.3	29.8	6.5	17.9	100.0	100.0	0.0	0.0	71.0	26	46	17	35.2	34.6
			W2	35.9	33.2	2.7	7.5									65.0	23	61	19	6.2	17.4
			W3	36.0	35.8	0.2	0.6									19.0	2	18	1	5.3	50
F06	R1	BEDROOM	W1	37.1	28.6	8.5	22.9	36.9	33.6	3.3	8.9	100.0	100.0	0.0	0.0	81.0	30	64	20	21	33.3
			W2	36.6	35.3	1.3	3.6									48.0	15	46	13	4.2	13.3
			W3	36.9	36.9	0.0	0.0									3.0	0	3	0	0	0
F07	R1	BEDROOM	W1	37.1	35.7	1.4	3.8	37.1	32.0	5.1	13.7	100.0	100.0	0.0	0.0	11.0	0	6	0	45.5	0
			W2	37.1	22.1	15.0	40.4									54.0	20	34	13	37	35
			W3	37.1	33.8	3.3	8.9									81.0	28	75	22	7.4	21.4
			W4	37.0	36.5	0.5	1.4									34.0	7	29	6	14.7	14.3

2 WINDOW MAPS

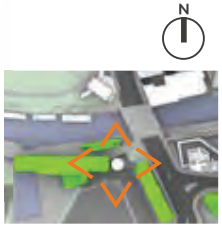
WATER TOWER

Fig. 01: Window map - North Façade

Fig. 02: Window map - South Façade

Fig. 03: Window map - East Façade

Fig. 04: Window map - West Façade



KENSAL HOUSE BLOCK 1

Fig. 05: Window map - West Façade

KENSAL HOUSE BLOCK 2

Fig. 06: Window map - North Façade

KENSAL HOUSE BLOCK 2

Fig. 07: Window map - West Façade

KENSAL HOUSE NURSERY

Fig. 08: Window map - North Façade

Fig. 09: Window map - South Façade

Fig. 10: Window map - East Façade

Fig. 11: Window map - West Façade

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Appendix: Daylight, Sunlight, Overshadowing and Solar Glare

Annex 1: Planning Policy
Annex 2: Methodology and Baseline Results
Annex 3: Drawings
Annex 4: Daylight and Sunlight Results and Window Maps
Annex 5: Daylight and Sunlight Results to Houseboats and Plot 3
Annex 6: Overshadowing Results

Annex 5

Daylight Results to Houseboats and St William Development

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DAYLIGHT & SUNLIGHT

DAYLIGHT IMPACT ASSESSMENT

Ladbroke Grove

08 June 2023

GIA No: **13198**

PROJECT DATA:

Client	**Ballymore**
Architect	**Faulkner Browns**
Project Title	**Ladbroke Grove**
Project Number	**13198**

REPORT DATA:

Report Title	**Daylight Impact Assessment**
GIA Department	**Daylight Department**
Dated	**08 June 2023**

Prepared by	**VSM**
Checked by	**GLE**
Type	**ES Appendix**

Revisions	No:	Date:	Notes:	Signed:

DISCLAIMER:

SOURCES OF INFORMATION:

Information Received	**IR-58,59,60,61,62,63-13198**
Release Number	**Rel_21_13198_DSD**
Issue Number	**22**
Site Photos	**GIA**
3D models	**VU.CITY**
OS Data	**FIND Maps**

CONTENTS

1 SITE OVERVIEW

EXISTING

Fig. 01: Top view

PROPOSED

Fig. 02: Top view

EXISTING

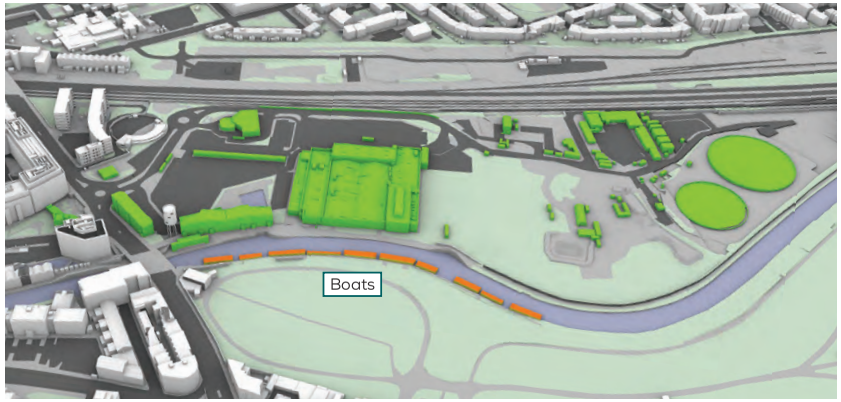


Fig. 03: Perspective view

PROPOSED

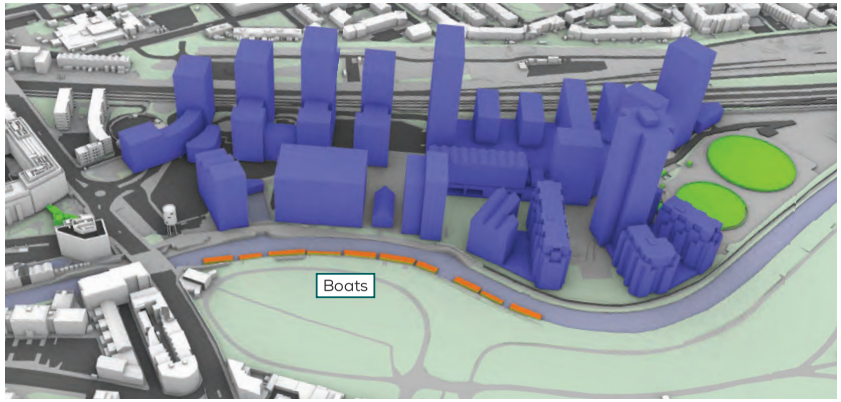


Fig. 04: Perspective view

FUTURE BASELINE

Fig. 05: Top view

CUMULATIVE

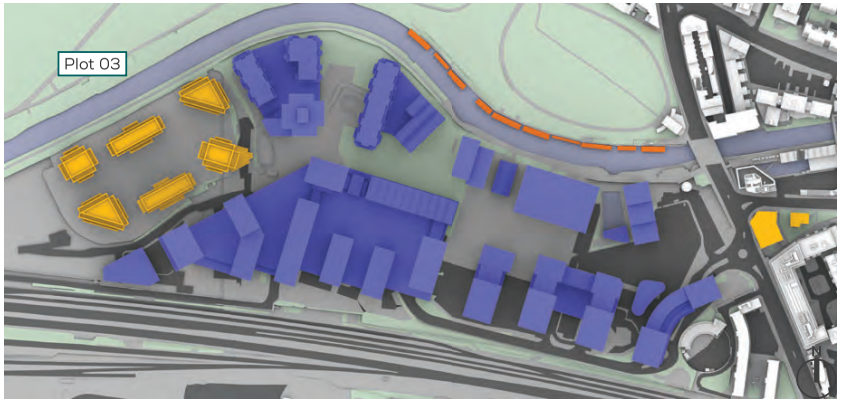


Fig. 06: Top view

FUTURE BASELINE

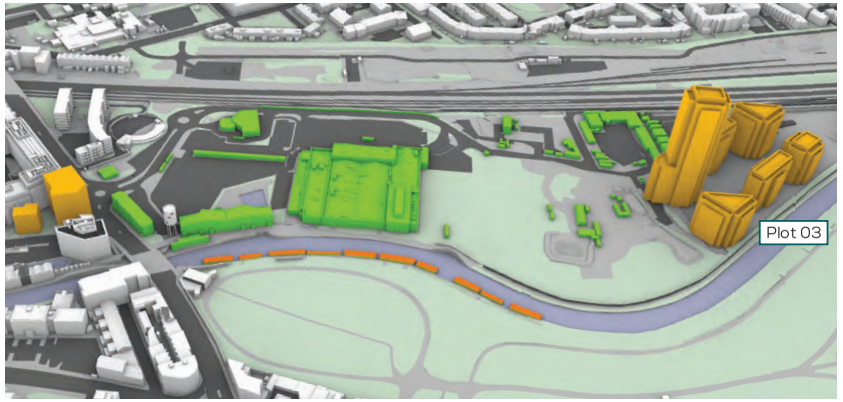


Fig. 07: Perspective view

CUMULATIVE

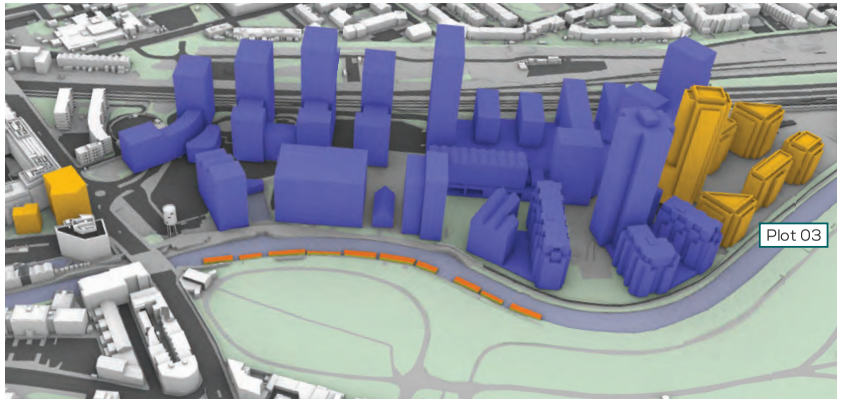


Fig. 08: Perspective view

2 IMPACTS UPON BOATS

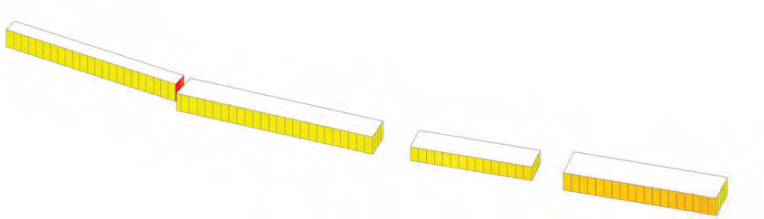


Fig. 09: VSC Diagram - existing scenario

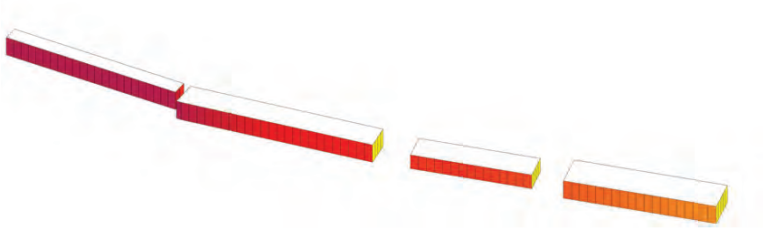


Fig. 10: VSC Diagram - proposed scenario

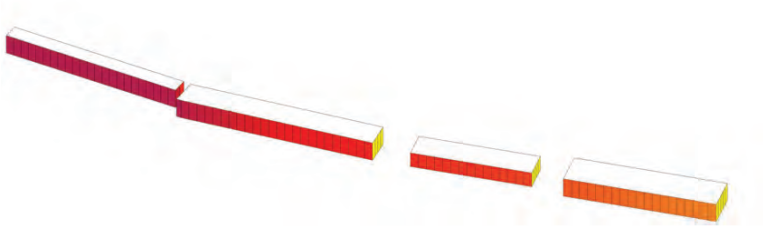
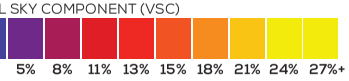


Fig. 11: VSC Diagram - cumulative scenario



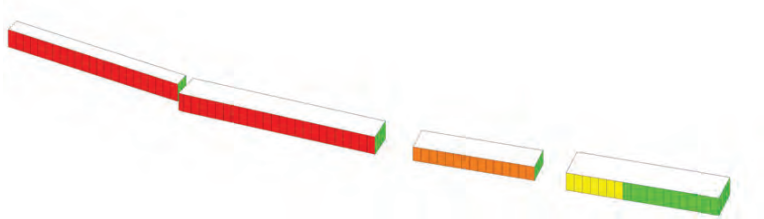


Fig. 12: VSC Reduction - existing v proposed scenarios

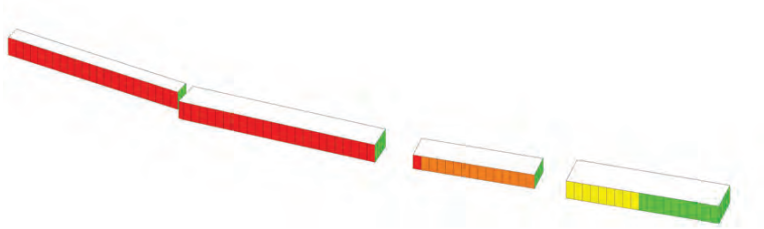
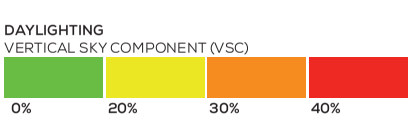
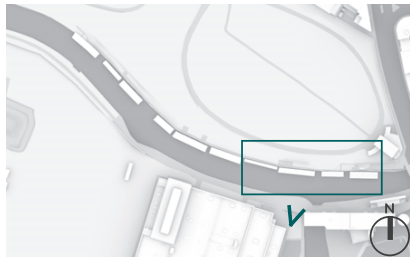


Fig. 13: VSC Reduction - existing v cumulative scenarios





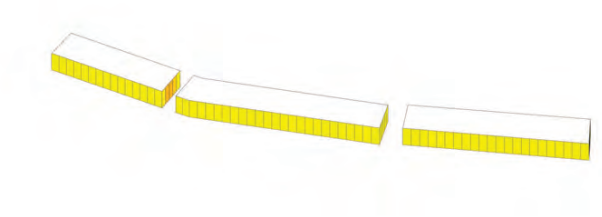


Fig. 14: VSC Diagram - existing scenario

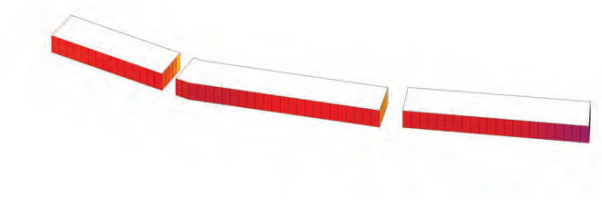


Fig. 15: VSC Diagram - proposed scenario

Fig. 16: VSC Diagram - cumulative scenario

DAYLIGHTING
VERTICAL SKY COMPONENT (VSC)

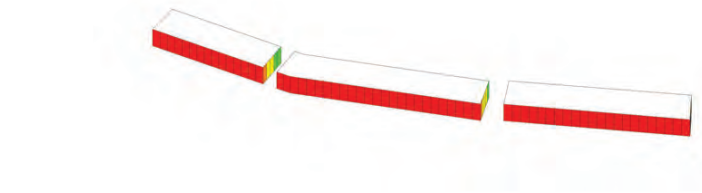


Fig. 17: VSC Reduction - existing v proposed scenarios

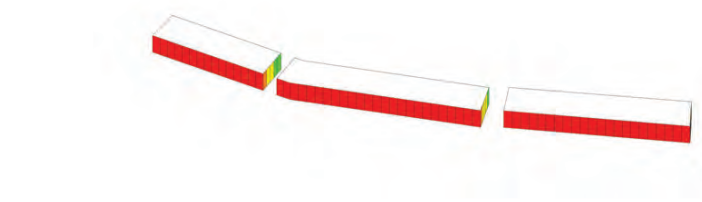


Fig. 18: VSC Reduction - existing v cumulative scenarios

DAYLIGHTING
VERTICAL SKY COMPONENT (VSC)

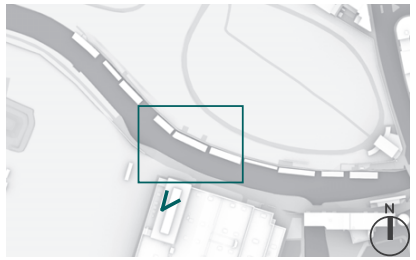


Fig. 19: VSC Diagram - existing scenario

Fig. 20: VSC Diagram - proposed scenario

Fig. 21: VSC Diagram - cumulative scenario

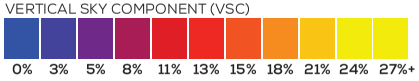
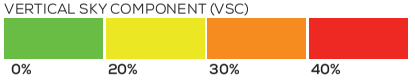
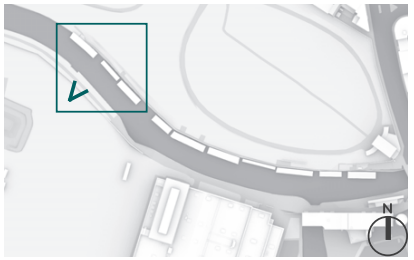


Fig. 22: VSC Reduction - existing v proposed scenarios

Fig. 23: VSC Reduction - existing v cumulative scenarios





3 IMPACTS UPON PLOT 03

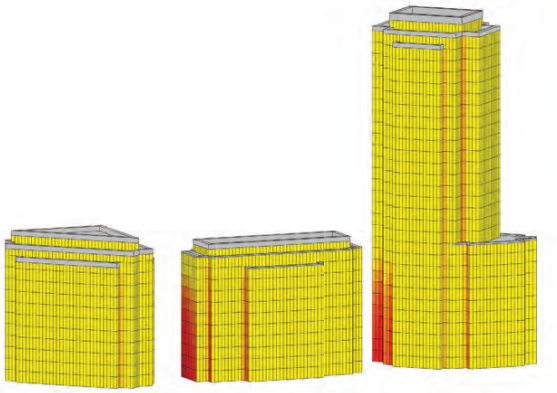


Fig. 24: VSC Diagram - future baseline scenario

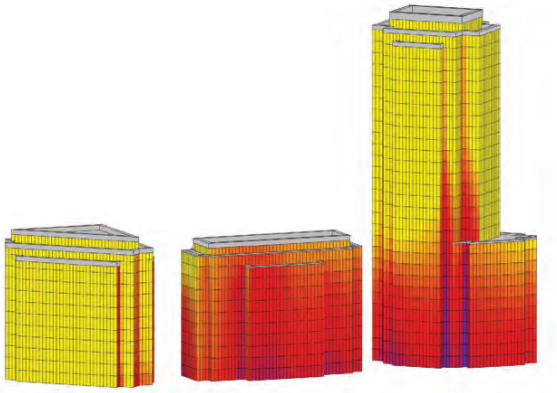


Fig. 25: VSC Diagram - cumulative scenario

DAYLIGHTING
VERTICAL SKY COMPONENT (VSC)

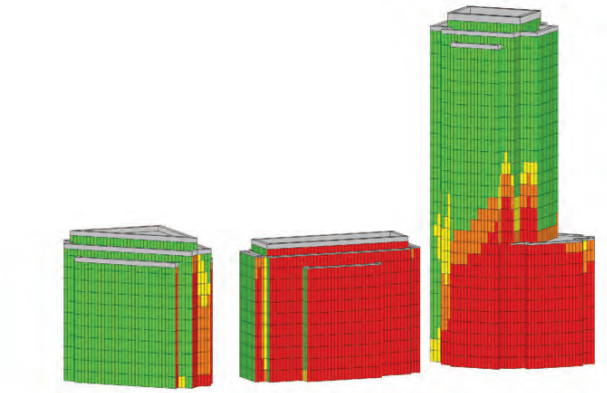
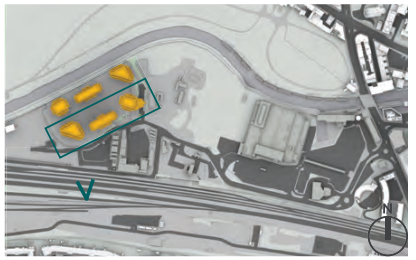


Fig. 26: VSC Reduction - future baseline v cumulative scenarios

DAYLIGHTING
VERTICAL SKY COMPONENT (VSC)



gia CHARTERED SURVEYORS

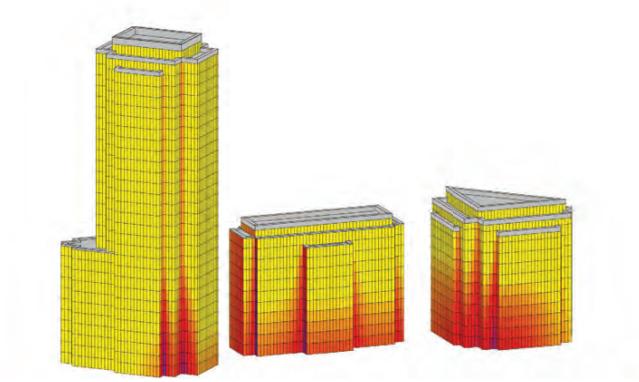


Fig. 27: VSC Diagram - future baseline scenario

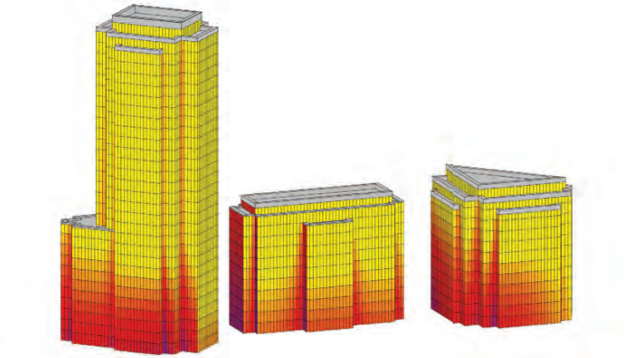


Fig. 28: VSC Diagram - cumulative scenario

DAYLIGHTING
VERTICAL SKY COMPONENT (VSC)

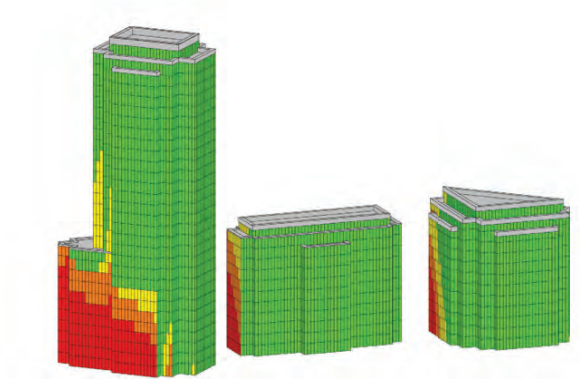
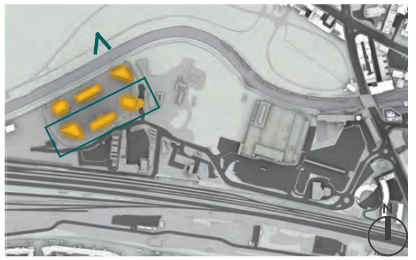


Fig. 29: VSC Reduction - future baseline v cumulative scenarios

DAYLIGHTING
VERTICAL SKY COMPONENT (VSC)



gia CHARTERED SURVEYORS

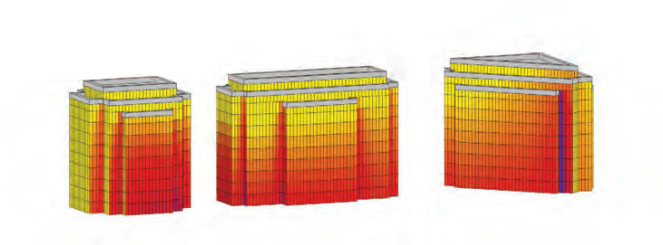


Fig. 30: VSC Diagram - future baseline scenario

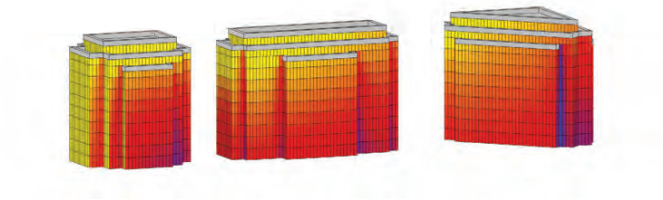
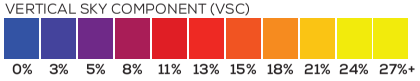


Fig. 31: VSC Diagram - cumulative scenario



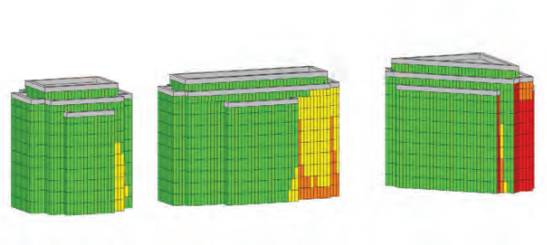
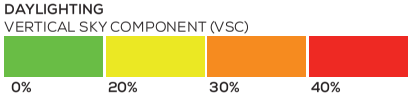
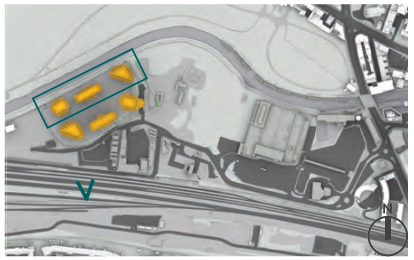


Fig. 32: VSC Reduction - future baseline v cumulative scenarios





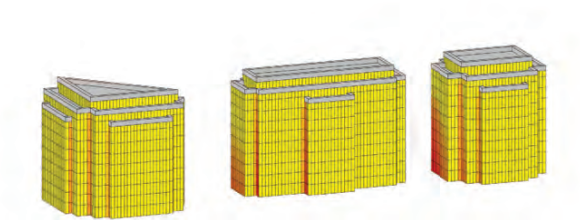


Fig. 33: VSC Diagram - future baseline scenario

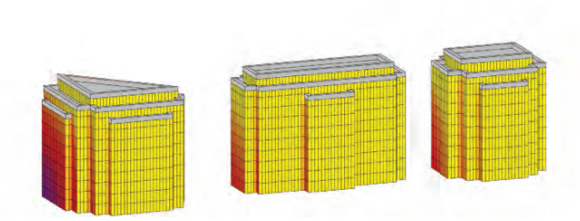


Fig. 34: VSC Diagram - cumulative scenario

DAYLIGHTING
VERTICAL SKY COMPONENT (VSC)

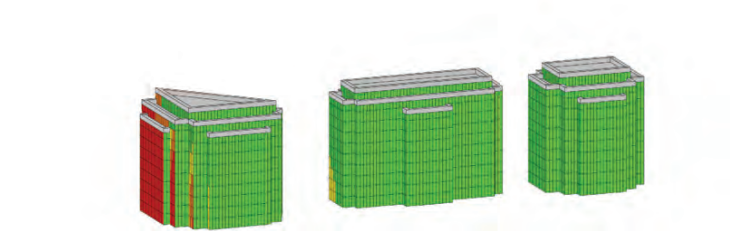
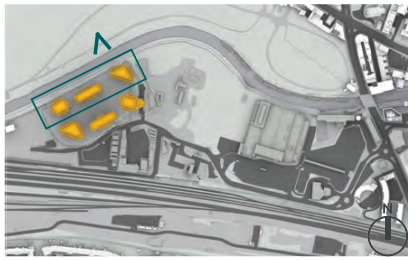


Fig. 35: VSC Reduction - future baseline v cumulative scenarios

DAYLIGHTING
VERTICAL SKY COMPONENT (VSC)



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Dublin Ireland
D02 XE80

Appendix: Daylight, Sunlight, Overshadowing and Solar Glare

Annex 1: Planning Policy
Annex 2: Methodology and Baseline Results
Annex 3: Drawings
Annex 4: Daylight and Sunlight Results and Window Maps
Annex 5: Daylight and Sunlight Results to Houseboats and Plot 3
Annex 6: Overshadowing Results

Annex 6

Overshadowing Results

gia CHARTERED SURVEYORS

DAYLIGHT & SUNLIGHT

TRANSIENT OVERSHADOWING ASSESSMENT

Ladbroke Grove

08 June 2023

GIA No: **13198**

PROJECT DATA:

Client	**Ballymore**
Architect	**Faulkner Browns**
Project Title	**Ladbroke Grove**
Project Number	**13198**

REPORT DATA:

Report Title	**Transient Overshadowing Assessment**
GIA Department	**Daylight Department**
Dated	**08 June 2023**

Prepared by	**VSM**
Checked by	**GLE**
Type	**ES Appendix**

Revisions	No:	Date:	Notes:	Signed:

SOURCES OF INFORMATION:

Information Received	**IR-58,59,60,61,62,63-13198**
Release Number	**Rel_21_13198_DSD**
Issue Number	**23**
Site Photos	**GIA**
3D models	**VU.CITY**
OS Data	**FIND Maps**

CONTENTS

TRANSIENT OVERSHADOWING ASSESSMENT
21ST MARCH (08:00 - 11:00 GMT)

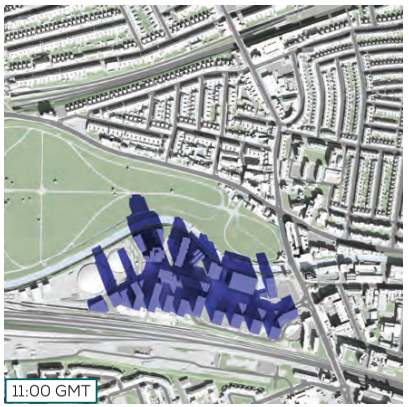
EXISTING

PROPOSED

CUMULATIVE

EXISTING

PROPOSED



CUMULATIVE

TRANSIENT OVERSHADOWING ASSESSMENT
21ST MARCH (12:00 - 15:00 GMT)

EXISTING

PROPOSED

CUMULATIVE

EXISTING

PROPOSED

CUMULATIVE

TRANSIENT OVERSHADOWING ASSESSMENT
21ST MARCH (16:00 - 17:00 GMT)

EXISTING

PROPOSED

CUMULATIVE

TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (06:00 - 09:00 BST)

EXISTING

PROPOSED

CUMULATIVE

EXISTING

PROPOSED

CUMULATIVE

TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (10:00 - 13:00 BST)

EXISTING

PROPOSED

CUMULATIVE

EXISTING

PROPOSED

CUMULATIVE

TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (14:00 - 17:00 BST)

EXISTING

PROPOSED

CUMULATIVE

EXISTING

PROPOSED

CUMULATIVE

TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (18:00 - 20:00 BST)

EXISTING

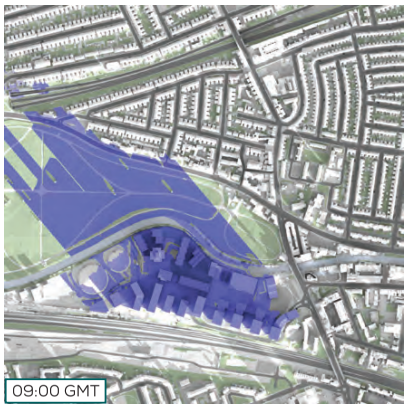
PROPOSED

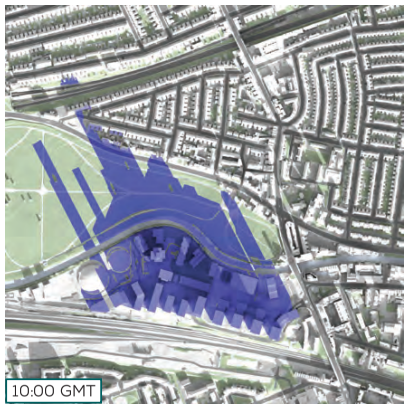
CUMULATIVE

TRANSIENT OVERSHADOWING ASSESSMENT
21ST DECEMBER (09:00 - 12:00 GMT)

EXISTING

PROPOSED





CUMULATIVE

EXISTING

PROPOSED

CUMULATIVE

TRANSIENT OVERSHADOWING ASSESSMENT
21ST DECEMBER (13:00 - 15:00 GMT)

EXISTING

PROPOSED

CUMULATIVE

SUN HOURS ON GROUND

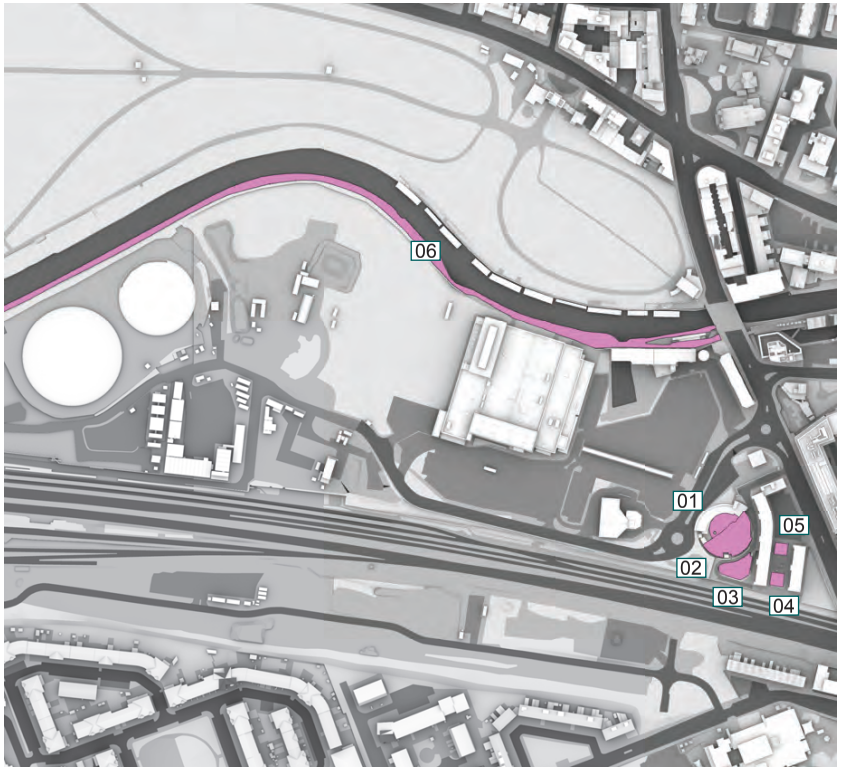


Fig. 01: BRE Compliance - Sensitive receptors

AREA	AREA DESCRIPTION
01	Kensal House Playground A
02	Kensal House Playground B
03	Kensal House - Communal amenity A
04	Kensal House - Communal amenity B
05	Kensal House - Communal amenity C
06	Grand Union Canal pathway

OVERSHADOWING ASSESSMENT - OPEN SPACES / PRIVATE AMENITIES
SUN HOURS ON GROUND - BRE TEST - 21ST MARCH

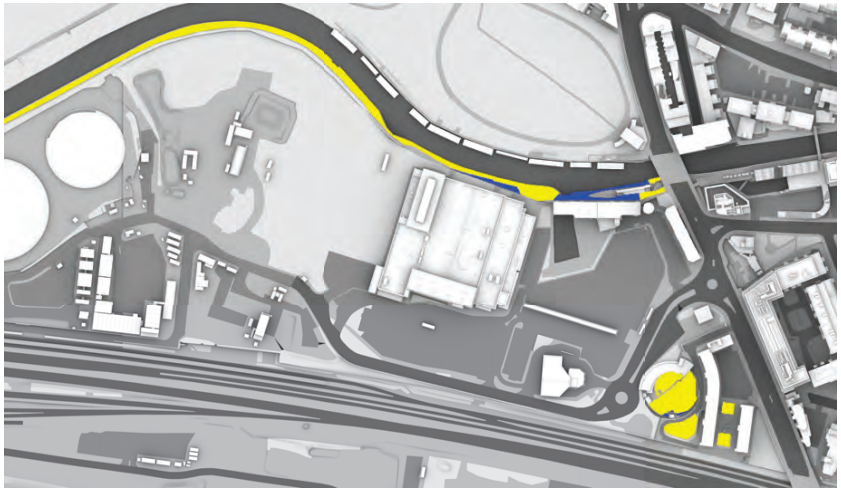
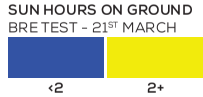


Fig. 02: BRE Compliance - Existing Scenario

Fig. 03: BRE Compliance - Cumulative Scenario

Fig. 04: BRE Compliance - Proposed Scenario

(BRE RECOMMENDS 2+ HOURS OF SUNLIGHT ON 21ST MARCH FOR AT LEAST 50% OF THE OPEN SPACE)



AREA	% AREA SEEING 2+ HRS OF SUNLIGHT ON 21ST MARCH			% LOSS EX VS PROP	% LOSS EX VS CUM
	EXISTING	PROPOSED	CUMULATIVE		
01	100%	99%	99%	1%	1%
02	96%	96%	96%	0%	0%
03	100%	100%	100%	0%	0%
04	100%	100%	100%	0%	0%
05	100%	100%	100%	0%	0%
06	84%	66%	60%	21%	29%

OVERSHADOWING ASSESSMENT - OPEN SPACES / PRIVATE AMENITIES
SUN EXPOSURE- 21ST MARCH

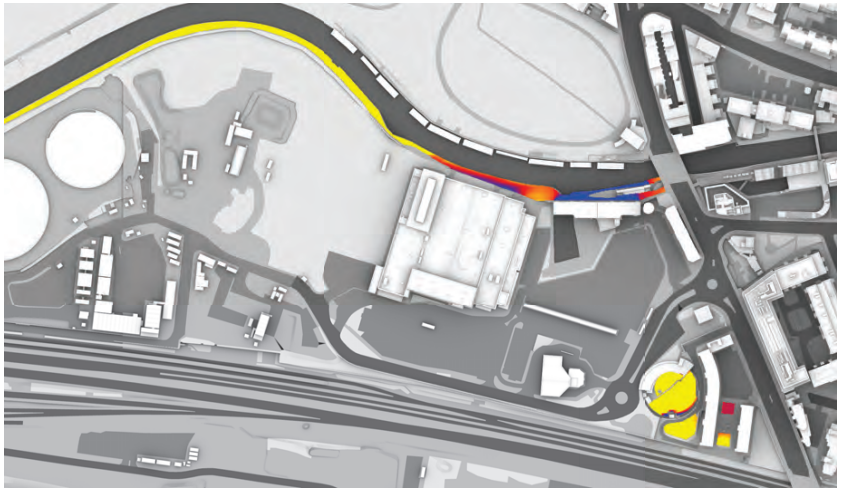


Fig. 05: BRE Compliance - Existing Scenario

Fig. 06: BRE Compliance - Cumulative Scenario

Fig. 07: BRE Compliance - Proposed Scenario

SUN EXPOSURE
TOTAL HOURS

21st MARCH
(SPRING EQUINOX)

LONDON

Latitude:	51.4
Longitude:	0.0
Sunrise:	06:02 GMT
Sunset:	18:14 GMT

Total Available Sunlight:
12hrs 12mins

OVERSHADOWING ASSESSMENT - OPEN SPACES / PRIVATE AMENITIES
SUN EXPOSURE- 21ST JUNE

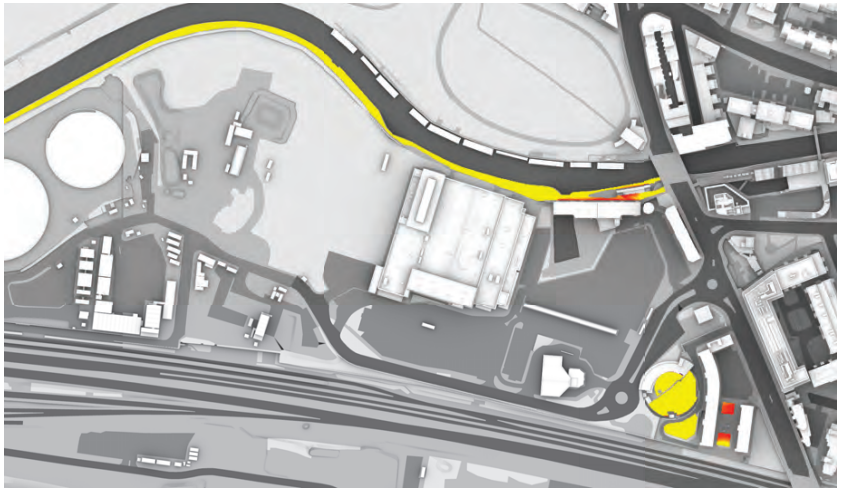


Fig. 08: BRE Compliance - Existing Scenario

Fig. 09: BRE Compliance - Cumulative Scenario

Fig. 10: BRE Compliance - Proposed Scenario

SUN EXPOSURE
TOTAL HOURS

21st JUNE
(SUMMER SOLSTICE)

LONDON

Latitude:	51.4
Longitude:	0.0
Sunrise:	04:43 BST
Sunset:	21:21 BST

Total Available Sunlight:
16hrs 38mins

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